



Docket No.: PF-0509 USN

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By: 

Printed: Margaret M. Hasson

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Hillman et al.

Title: HUMAN TRANSCRIPTIONAL REGULATOR MOLECULES

Serial No.: 09/674,743

Filing Date: January 16, 2002

Examiner: To Be Assigned

Group Art Unit: To Be Assigned

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Commissioner for Patents, PO Box 2327
Arlington, VA 22202

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**SECOND SUBSTITUTE SUBMISSION
UNDER 37 CFR §1.821- 1.825 SEQUENCE LISTING**

TC 1700

Sir:

In accordance with the requirements of 37 CFR § 1.821-1.825, Applicants hereby submit one (1) substitute diskette containing the computer-readable information for the Substitute Sequence Listing of the above-identified application. The diskette complies with the requirements of 37 CFR § 1.824 and is IBM PC compatible using a Windows NT Operating System with WordPerfect software and saved in ASCII text format.

Enclosed is a paper copy of the Substitute Sequence Listing.

The content of the Substitute Sequence Listing paper copy is identical to the computer-readable copy, as required under 37 CFR § 1.821(f). This submission contains no new matter.

Respectfully submitted,

INCYTE GENOMICS, INC.

Date: 20 Sept 2002



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<110> HILLMAN, Jennifer L.
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LAL, Preeti
YUE, Henry
REDDY, Roopa
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BAUGHN, Mariah R.
AZIMZAI, Yalda
LU, Dyung Aina M.

<120> Human Transcriptional Regulator Molecules

<130> PF-0509 USN

<140> 09/674,743

<141> 2002-01-16

<150> PCT/US99/09935

<151> 1999-05-04

<150> 60/084,254

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			20					25						30
Pro	Ala	Gly	Arg	Pro	Cys	Ser	Gly	Arg	Thr	Arg	His	Arg	Ala	Leu
			35					40						45
His	Arg	Arg	Leu	Val	Ala	Cys	Val	Thr	Val	Ser	Ser	Arg	Arg	His
			50					55						60
Arg	Lys	Glu	Ala	Gly	Arg	Gly	Arg	Ala	Glu	Ser	Phe	Ile	Ala	Val
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Gly	Met	Ala	Ala	Pro	Ser	Met	Lys	Glu	Arg	Gln	Val	Cys	Trp	Gly	
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Ala	Arg	Asp	Glu	Tyr	Trp	Lys	Cys	Leu	Asp	Glu	Asn	Leu	Glu	Asp	
				95					100					105	
Ala	Ser	Gln	Cys	Lys	Lys	Leu	Arg	Ser	Ser	Phe	Glu	Ser	Ser	Cys	
				110					115					120	
Pro	Gln	Gln	Trp	Ile	Lys	Tyr	Phe	Asp	Lys	Arg	Arg	Asp	Tyr	Leu	
				125					130					135	
Lys	Phe	Lys	Glu	Lys	Phe	Glu	Ala	Gly	Gln	Phe	Glu	Pro	Ser	Glu	
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Thr	Thr	Ala	Lys	Ser											
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				20					25					30	
Lys	Ile	Tyr	Lys	Glu	Ile	Glu	Cys	Ser	Ile	Ala	Gly	Ala	His	Glu	
				35					40					45	
Lys	Ile	Ala	Glu	Cys	Lys	Lys	Gln	Ile	Leu	Gln	Ala	Lys	Arg	Ile	
				50					55					60	
Arg	Lys	Asn	Arg	Gln	Glu	Tyr	Asp	Ala	Leu	Ala	Lys	Val	Ile	Gln	
				65					70					75	
His	His	Pro	Asp	Arg	His	Glu	Thr	Leu	Lys	Glu	Leu	Glu	Ala	Leu	
				80					85					90	
Gly	Lys	Glu	Leu	Glu	His	Leu	Ser	His	Ile	Lys	Glu	Ser	Val	Glu	
				95					100					105	
Asp	Lys	Leu	Glu	Leu	Arg	Arg	Lys	Gln	Phe	His	Val	Leu	Leu	Ser	
				110					115					120	
Thr	Ile	His	Glu	Leu	Gln	Gln	Thr	Leu	Glu	Asn	Asp	Glu	Lys	Leu	
				125					130					135	
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				20					25					30
Pro	Lys	Leu	Pro	Glu	Tyr	Ile	Cys	Pro	Arg	Cys	Glu	Ser	Gly	Phe
				35					40					45
Ile	Glu	Glu	Val	Thr	Asp	Asp	Ser	Ser	Phe	Leu	Gly	Gly	Gly	Gly
				50					55					60
Ser	Arg	Ile	Asp	Asn	Thr	Thr	Thr	Thr	His	Phe	Ala	Glu	Leu	Trp
				65					70					75
Gly	His	Leu	Asp	His	Thr	Met	Phe	Phe	Gln	Asp	Phe	Arg	Pro	Phe
				80					85					90
Leu	Ser	Ser	Ser	Pro	Leu	Asp	Gln	Asp	Asn	Arg	Ala	Asn	Glu	Arg
				95					100					105
Gly	His	Gln	Thr	His	Thr	Asp	Phe	Trp	Gly	Ala	Arg	Pro	Pro	Arg
				110					115					120
Leu	Pro	Leu	Gly	Arg	Arg	Tyr	Arg	Ser	Arg	Gly	Ser	Ser	Arg	Pro
				125					130					135
Asp	Arg	Ser	Pro	Ala	Ile	Glu	Gly	Ile	Leu	Gln	His	Ile	Phe	Ala
				140					145					150
Gly	Phe	Phe	Ala	Asn	Ser	Ala	Ile	Pro	Gly	Ser	Pro	His	Pro	Phe
				155					160					165
Ser	Trp	Ser	Gly	Met	Leu	His	Ser	Asn	Pro	Gly	Asp	Tyr	Ala	Trp
				170					175					180
Gly	Gln	Thr	Gly	Leu	Asp	Ala	Ile	Val	Thr	Gln	Leu	Leu	Gly	Gln
				185					190					195
Leu	Glu	Asn	Thr	Gly	Pro	Pro	Pro	Ala	Asp	Lys	Glu	Lys	Ile	Thr
				200					205					210
Ser	Leu	Pro	Thr	Val	Thr	Val	Thr	Gln	Glu	Gln	Val	Asp	Met	Gly
				215					220					225
Leu	Glu	Cys	Pro	Val	Cys	Lys	Glu	Asp	Tyr	Thr	Val	Glu	Glu	Glu
				230					235					240
Val	Arg	Gln	Leu	Pro	Cys	Asn	His	Phe	Phe	His	Ser	Ser	Cys	Ile
				245					250					255
Val	Pro	Trp	Leu	Glu	Leu	His	Asp	Thr	Cys	Pro	Val	Cys	Arg	Lys
				260					265					270
Ser	Leu	Asn	Gly	Glu	Asp	Ser	Thr	Arg	Gln	Ser	Gln	Ser	Thr	Glu
				275					280					285
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Ser	Val	Asn	Arg	Lys	Arg	Leu	Asn	Arg	Asn	Ala	Arg	Arg	Lys	Ala	
				20					25					30	
Ala	Pro	Arg	Ile	Glu	Cys	Ser	His	Ile	Arg	His	Ala	Trp	Asp	His	
				35					40					45	
Ala	Lys	Ser	Val	Arg	Gln	Asn	Leu	Ala	Glu	Met	Gly	Leu	Ala	Val	
				50					55					60	
Asp	Pro	Asn	Arg	Ala	Val	Pro	Leu	Arg	Lys	Arg	Lys	Val	Lys	Ala	
				65					70					75	
Met	Glu	Val	Asp	Ile	Glu	Glu	Arg	Pro	Lys	Glu	Leu	Val	Arg	Lys	
				80					85					90	
Pro	Tyr	Val	Leu	Asn	Asp	Leu	Glu	Ala	Glu	Ala	Ser	Leu	Pro	Glu	
				95					100					105	
Lys	Lys	Gly	Asn	Thr	Leu	Ser	Arg	Asp	Leu	Ile	Asp	Tyr	Val	Arg	
				110					115					120	
Tyr	Met	Val	Glu	Asn	His	Gly	Glu	Asp	Tyr	Lys	Ala	Met	Ala	Arg	
				125					130					135	
Asp	Glu	Lys	Asn	Tyr	Tyr	Gln	Asp	Thr	Pro	Lys	Gln	Ile	Arg	Ser	
				140					145					150	
Lys	Ile	Asn	Val	Tyr	Lys	Arg	Phe	Tyr	Pro	Ala	Glu	Trp	Gln	Asp	
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				20					25					30	
Val	Gln	Leu	Gln	Gly	Gly	Arg	Phe	Leu	Met	Gly	Thr	Asn	Ser	Pro	
				35					40					45	
Asp	Ser	Arg	Asp	Gly	Glu	Gly	Pro	Val	Arg	Glu	Ala	Thr	Val	Lys	
				50					55					60	
Pro	Phe	Ala	Ile	Asp	Ile	Phe	Pro	Val	Thr	Asn	Lys	Asp	Phe	Arg	
				65					70					75	
Asp	Phe	Val	Arg	Glu	Lys	Lys	Tyr	Arg	Thr	Glu	Ala	Glu	Met	Phe	
				80					85					90	
Gly	Trp	Ser	Phe	Val	Phe	Glu	Asp	Phe	Val	Ser	Asp	Glu	Leu	Arg	
				95					100					105	
Asn	Lys	Ala	Thr	Gln	Pro	Met	Lys	Ser	Val	Leu	Trp	Trp	Leu	Pro	
				110					115					120	
Val	Glu	Lys	Ala	Phe	Trp	Arg	Gln	Pro	Ala	Gly	Pro	Gly	Ser	Gly	
				125					130					135	
Ile	Arg	Glu	Arg	Leu	Glu	His	Pro	Val	Leu	His	Val	Ser	Trp	Asn	

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Asp Ala Arg Ala	Tyr Cys Ala Trp Arg	Gly Lys Arg Leu Pro	Thr		
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Glu Glu Glu Trp	Glu Phe Ala Ala Arg	Gly Gly Leu Lys Gly	Gln		
	170		175		180
Val Tyr Pro Trp	Gly Asn Trp Phe Gln	Pro Asn Arg Thr Asn	Leu		
	185		190		195
Trp Gln Gly Lys	Phe Pro Lys Gly Asp	Lys Ala Glu Asp Gly	Phe		
	200		205		210
His Gly Val Ser	Pro Val Asn Ala Phe	Pro Ala Gln Asn Asn	Tyr		
	215		220		225
Gly Leu Tyr Asp	Leu Leu Gly Asn Val	Trp Glu Trp Thr Ala	Ser		
	230		235		240
Pro Tyr Gln Ala	Ala Glu Gln Asp Met	Arg Val Leu Arg Gly	Ala		
	245		250		255
Ser Trp Ile Asp	Thr Ala Asp Gly Ser	Ala Asn His Arg Ala	Arg		
	260		265		270
Val Thr Thr Arg	Met Gly Asn Thr Pro	Asp Ser Ala Ser Asp	Asn		
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	20	25	30		
Asn Ser Pro Leu	Cys Pro Asn Trp Gln	Val Phe Pro Leu Val	Arg		
	35	40	45		
Pro His Arg Gln	Ser Arg Gln Leu Gln	Val Pro Glu Pro Ile	Gln		
	50	55	60		
Ala Gly Gly Pro	Ser Cys Gly His His	Ser Pro Trp Arg Leu	Phe		
	65	70	75		
Leu Pro Gln Arg	Lys Ser Gln Val Ser	Arg Gly Gly Arg Leu	Ala		
	80	85	90		
Cys Leu Leu Ser	Tyr Ala Gly Leu Ser	Gly Asp Asp Pro Asp	Leu		
	95	100	105		
Gly Pro Ala His	Val Val Thr Val Ile	Ala Arg Gln Arg Gly	Asp		
	110	115	120		
Gln Leu Val Pro	Phe Ser Thr Lys Ser	Gly Asp Thr Leu Leu	Leu		
	125	130	135		
Leu His His Gly	Asp Phe Ser Ala Glu	Glu Val Phe His Arg	Glu		
	140	145	150		

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Leu	Arg	Ser	Asn	Ser	Met	Lys	Thr	Trp	Gly	Leu	Arg	Ala	Ala	Gly	
				155					160					165	
Trp	Met	Ala	Met	Phe	Met	Gly	Leu	Asn	Leu	Met	Thr	Arg	Ile	Leu	
				170					175					180	
Tyr	Thr	Leu	Val	Asp	Trp	Phe	Pro	Val	Phe	Arg	Asp	Leu	Val	Asn	
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Ile	Gly	Leu	Lys	Ala	Phe	Ala	Phe	Cys	Val	Ala	Thr	Ser	Leu	Thr	
				200					205					210	
Leu	Leu	Thr	Val	Ala	Ala	Gly	Trp	Leu	Phe	Tyr	Arg	Pro	Leu	Trp	
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Ala	Leu	Leu	Ile	Ala	Gly	Leu	Ala	Leu	Val	Pro	Ile	Leu	Val	Ala	
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Val	Arg	Ala	Pro	Leu	Asp	Trp	Ala	Leu	Pro	Leu	Ser	Glu	Val	Pro	
				35					40					45	
Ser	Asp	Trp	Glu	Val	Asp	Asp	Leu	Leu	Cys	Ser	Leu	Leu	Ser	Pro	
				50					55					60	
Pro	Ala	Ser	Leu	Asn	Ile	Leu	Ser	Ser	Ser	Asn	Pro	Cys	Leu	Val	
				65					70					75	
His	His	Asp	His	Thr	Tyr	Ser	Leu	Pro	Arg	Glu	Thr	Val	Ser	Met	
				80					85					90	
Asp	Leu	Glu	Ser	Glu	Ser	Cys	Arg	Lys	Glu	Gly	Thr	Gln	Met	Thr	
				95					100					105	
Pro	Gln	His	Met	Glu	Glu	Leu	Ala	Glu	Gln	Glu	Ile	Ala	Arg	Leu	
				110					115					120	
Val	Leu	Thr	Asp	Glu	Glu	Lys	Ser	Leu	Leu	Glu	Lys	Glu	Gly	Leu	
				125					130					135	
Ile	Leu	Pro	Glu	Thr	Leu	Pro	Leu	Thr	Lys	Thr	Glu	Glu	Gln	Ile	
				140					145					150	
Leu	Lys	Arg	Val	Arg	Arg	Lys	Ile	Arg	Asn	Lys	Arg	Ser	Ala	Gln	
				155					160					165	
Glu	Ser	Arg	Arg	Lys	Lys	Lys	Val	Tyr	Val	Gly	Gly	Leu	Glu	Ser	
				170					175					180	
Arg	Val	Leu	Lys	Tyr	Thr	Ala	Gln	Asn	Met	Glu	Leu	Gln	Asn	Lys	
				185					190					195	
Val	Gln	Leu	Leu	Glu	Glu	Gln	Asn	Leu	Ser	Leu	Leu	Asp	Gln	Leu	
				200					205					210	
Arg	Lys	Leu	Gln	Ala	Met	Val	Ile	Glu	Ile	Ser	Asn	Lys	Thr	Ser	

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Ser Ser Ser Thr Cys Ile Leu Val Leu Leu Val Ser Phe Cys Leu					
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Leu Leu Val Pro Ala Met Tyr Ser Ser Asp Thr Arg Gly Ser Leu					
	245		250		255
Pro Ala Glu His Gly Val Leu Ser Arg Gln Leu Arg Ala Leu Pro					
	260		265		270
Ser Glu Asp Pro Tyr Gln Leu Glu Leu Pro Ala Leu Gln Ser Glu					
	275		280		285
Val Pro Lys Asp Ser Thr His Gln Trp Leu Asp Gly Ser Asp Cys					
	290		295		300
Val Leu Gln Ala Pro Gly Asn Thr Ser Cys Leu Leu His Tyr Met					
	305		310		315
Pro Gln Ala Pro Ser Ala Glu Pro Pro Leu Glu Trp Pro Phe Pro					
	320		325		330
Asp Leu Phe Ser Glu Pro Leu Cys Arg Gly Pro Ile Leu Pro Leu					
	335		340		345
Gln Ala Asn Leu Thr Arg Lys Gly Gly Trp Leu Pro Thr Gly Ser					
	350		355		360
Pro Ser Val Ile Leu Gln Asp Arg Tyr Ser Gly					
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Phe His Leu Asn Thr Leu Lys Glu Ser Lys Ser Leu Trp Asp Ser					
	35		40		45
Ala Ser Gly Gly Gly Val Val Ala Ile Asp Asn Lys Ile Glu Gln					
	50		55		60
Ala Met Asp Leu Val Lys Ser His Leu Met Tyr Ala Val Arg Glu					
	65		70		75
Glu Val Glu Val Leu Lys Glu Gln Ile Lys Glu Leu Val Glu Arg					
	80		85		90
Asn Ser Leu Leu Glu Arg Glu Asn Ala Leu Leu Lys Ser Leu Ser					
	95		100		105
Ser Asn Asp Gln Leu Ser Gln Leu Pro Thr Gln Gln Ala Asn Pro					
	110		115		120
Gly Ser Thr Ser Gln Gln Gln Ala Val Ile Ala Gln Pro Pro Gln					
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Pro Thr Gln Pro Pro Gln Gln Pro Asn Val Ser Ser Ala					
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Glu	Val	Leu	Glu	Pro	Glu	Glu	Asp	Phe	Glu	Gln	Phe	Leu	Leu	Pro
				20					25					30
Val	Ile	Asn	Glu	Met	Arg	Glu	Asp	Ile	Ala	Ser	Leu	Thr	Arg	Glu
				35					40					45
His	Gly	Arg	Ala	Tyr	Leu	Arg	Asn	Arg	Ser	Lys	Leu	Trp	Glu	Met
				50					55					60
Asp	Asn	Met	Leu	Ile	Gln	Ile	Lys	Thr	Gln	Val	Glu	Ala	Ser	Glu
				65					70					75
Glu	Ser	Ala	Leu	Asn	His	Leu	Gln	Asn	Pro	Gly	Asp	Ala	Ala	Glu
				80					85					90
Gly	Arg	Ala	Ala	Lys	Arg	Cys	Glu	Lys	Ala	Glu	Glu	Lys	Ala	Lys
				95					100					105
Glu	Ile	Ala	Lys	Met	Ala	Glu	Met	Leu	Val	Glu	Leu	Val	Arg	Arg
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Ile	Glu	Lys	Ser	Glu	Ser	Ser								
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Ile	Glu	Glu	Asn	Glu	Asn	Ser	Gly	Lys	Phe	Leu	Arg	Arg	Tyr	Phe
				20					25					30
Ile	Leu	Asp	Thr	Arg	Glu	Asp	Ser	Phe	Val	Trp	Tyr	Met	Asp	Asn
				35					40					45
Pro	Gln	Asn	Leu	Pro	Ser	Gly	Ser	Ser	Arg	Val	Gly	Ala	Ile	Lys
				50					55					60
Leu	Thr	Tyr	Ile	Ser	Lys	Val	Ser	Asp	Ala	Thr	Lys	Leu	Arg	Pro
				65					70					75
Lys	Ala	Glu	Phe	Cys	Phe	Val	Met	Asn	Ala	Gly	Met	Arg	Lys	Tyr
				80					85					90
Phe	Leu	Gln	Ala	Asn	Asp	Gln	Gln	Asp	Leu	Val	Glu	Trp	Val	Asn
				95					100					105
Val	Leu	Asn	Lys	Ala	Ile	Lys	Ile	Thr	Val	Pro	Lys	Gln	Ser	Asp
				110					115					120

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Ser	Gln	Pro	Asn	Ser	Asp	Asn	Leu	Ser	Arg	His	Gly	Glu	Cys	Gly	
				125					130					135	
Lys	Lys	Gln	Val	Ser	Tyr	Arg	Thr	Asp	Ile	Val	Gly	Gly	Val	Pro	
				140					145					150	
Ile	Ile	Thr	Pro	Thr	Gln	Lys	Glu	Glu	Val	Asn	Glu	Cys	Gly	Glu	
				155					160					165	
Ser	Ile	Asp	Arg	Asn	Asn	Leu	Lys	Arg	Ser	Gln	Ser	His	Leu	Pro	
				170					175					180	
Tyr	Phe	Thr	Pro	Lys	Pro	Pro	Gln	Asp	Ser	Ala	Val	Ile	Lys	Ala	
				185					190					195	
Gly	Tyr	Cys	Val	Lys	Gln	Gly	Ala	Val	Met	Lys	Asn	Trp	Lys	Arg	
				200					205					210	
Arg	Tyr	Phe	Gln	Leu	Asp	Glu	Asn	Thr	Ile	Gly	Tyr	Phe	Lys	Ser	
				215					220					225	
Glu	Leu	Glu	Lys	Glu	Pro	Leu	Arg	Val	Ile	Pro	Leu	Lys	Glu	Val	
				230					235					240	
His	Lys	Val	Gln	Glu	Cys	Lys	Gln	Ser	Asp	Ile	Met	Met	Arg	Asp	
				245					250					255	
Asn	Leu	Phe	Glu	Ile	Val	Thr	Thr	Ser	Arg	Thr	Phe	Tyr	Val	Gln	
				260					265					270	
Ala	Asp	Ser	Pro	Glu	Glu	Met	His	Ser	Trp	Ile	Lys	Ala	Val	Ser	
				275					280					285	
Gly	Ala	Ile	Val	Ala	Gln	Arg	Gly	Pro	Gly	Arg	Ser	Ala	Ser	Ser	
				290					295					300	
Met	Arg	Gln	Ala	Arg	Arg	Leu	Ser	Asn	Pro	Cys	Ile	Gln	Arg	Ser	
				305					310					315	
Ile	Pro	Pro	Val	Leu	Gln	Asn	Pro	Asn	Thr	Leu	Ser	Val	Leu	Pro	
				320					325					330	
Thr	Gln	Pro	Pro	Pro	Pro	His	Ile	Pro	Gln	Pro	Leu	Ala	Ala	Thr	
				335					340					345	
Leu	Trp	Ser	Gln	Pro	Leu	Pro	Trp	Arg	Ser	Glu	Asp	Phe	Thr	Ser	
				350					355					360	
Leu	Leu	Pro	Arg	Ser	Ser	Gln	Gly	Thr	Ser	Arg	Ser	Arg	Leu	Ser	
				365					370					375	
Leu	Gln	Glu	Asn	Gln	Leu	Pro	Lys								
				380											

<210> 11

<211> 254

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1850120CD1

<400> 11

Met	Ser	Leu	Ala	Arg	Gly	His	Gly	Asp	Thr	Ala	Ala	Ser	Thr	Ala	
1				5				10						15	
Ala	Pro	Leu	Ser	Glu	Glu	Gly	Glu	Val	Thr	Ser	Gly	Leu	Gln	Ala	
				20				25						30	
Leu	Ala	Val	Glu	Asp	Thr	Gly	Gly	Pro	Ser	Ala	Ser	Ala	Gly	Lys	
				35				40						45	
Ala	Glu	Asp	Glu	Gly	Glu	Gly	Gly	Arg	Glu	Glu	Thr	Glu	Arg	Glu	

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				50					55					60
Gly	Ser	Gly	Gly	Glu	Glu	Ala	Gln	Gly	Glu	Val	Pro	Ser	Ala	Gly
				65					70					75
Gly	Glu	Glu	Pro	Ala	Glu	Glu	Asp	Ser	Glu	Asp	Trp	Cys	Val	Pro
				80					85					90
Cys	Ser	Asp	Glu	Glu	Val	Glu	Leu	Pro	Ala	Asp	Gly	Gln	Pro	Trp
				95					100					105
Met	Pro	Pro	Pro	Ser	Glu	Ile	Gln	Arg	Leu	Tyr	Glu	Leu	Leu	Ala
				110					115					120
Ala	His	Gly	Thr	Leu	Glu	Leu	Gln	Ala	Glu	Ile	Leu	Pro	Arg	Arg
				125					130					135
Pro	Pro	Thr	Pro	Glu	Arg	Gln	Ser	Glu	Glu	Glu	Arg	Ser	Asp	Glu
				140					145					150
Glu	Pro	Glu	Ala	Lys	Glu	Glu	Glu	Glu	Glu	Lys	Pro	His	Met	Pro
				155					160					165
Thr	Glu	Phe	Asp	Phe	Asp	Asp	Glu	Pro	Val	Thr	Pro	Lys	Asp	Ser
				170					175					180
Leu	Ile	Asp	Arg	Arg	Arg	Thr	Pro	Gly	Ser	Ser	Ala	Arg	Ser	Gln
				185					190					195
Lys	Arg	Glu	Ala	Arg	Leu	Asp	Lys	Val	Leu	Ser	Asp	Met	Lys	Arg
				200					205					210
His	Lys	Lys	Leu	Glu	Glu	Gln	Ile	Leu	Arg	Thr	Gly	Arg	Asp	Leu
				215					220					225
Phe	Ser	Leu	Asp	Ser	Glu	Asp	Pro	Ser	Pro	Ala	Ser	Pro	Pro	Leu
				230					235					240
Arg	Ser	Ser	Gly	Ser	Ser	Leu	Phe	Pro	Arg	Gln	Arg	Lys	Tyr	
				245					250					

<210> 12

<211> 305

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1852290CD1

<400> 12

Met	Ala	Leu	Cys	Ala	Leu	Thr	Arg	Ala	Leu	Arg	Ser	Leu	Asn	Leu
1				5					10					15
Ala	Pro	Pro	Thr	Val	Ala	Ala	Pro	Ala	Pro	Ser	Leu	Phe	Pro	Ala
				20					25					30
Ala	Gln	Met	Met	Asn	Asn	Gly	Leu	Leu	Gln	Gln	Pro	Ser	Ala	Leu
				35					40					45
Met	Leu	Leu	Pro	Cys	Arg	Pro	Val	Leu	Thr	Ser	Val	Ala	Leu	Asn
				50					55					60
Ala	Asn	Phe	Val	Ser	Trp	Lys	Ser	Arg	Thr	Lys	Tyr	Thr	Ile	Thr
				65					70					75
Pro	Val	Lys	Met	Arg	Lys	Ser	Gly	Gly	Arg	Asp	His	Thr	Gly	Arg
				80					85					90
Ile	Arg	Val	His	Gly	Ile	Gly	Gly	Gly	His	Lys	Gln	Arg	Tyr	Arg
				95					100					105
Met	Ile	Asp	Phe	Leu	Arg	Phe	Arg	Pro	Glu	Glu	Thr	Lys	Ser	Gly
				110					115					120

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Pro	Phe	Glu	Glu	Lys	Val	Ile	Gln	Val	Arg	Tyr	Asp	Pro	Cys	Arg	
				125					130					135	
Ser	Ala	Asp	Ile	Ala	Leu	Val	Ala	Gly	Gly	Ser	Arg	Lys	Arg	Trp	
				140					145					150	
Ile	Ile	Ala	Thr	Glu	Asn	Met	Gln	Ala	Gly	Asp	Thr	Ile	Leu	Asn	
				155					160					165	
Ser	Asn	His	Ile	Gly	Arg	Met	Ala	Val	Ala	Ala	Arg	Glu	Gly	Asp	
				170					175					180	
Ala	His	Pro	Leu	Gly	Ala	Leu	Pro	Val	Gly	Thr	Leu	Ile	Asn	Asn	
				185					190					195	
Val	Glu	Ser	Glu	Pro	Gly	Arg	Gly	Ala	Gln	Tyr	Ile	Arg	Ala	Ala	
				200					205					210	
Gly	Thr	Cys	Gly	Val	Leu	Leu	Arg	Lys	Val	Asn	Gly	Thr	Ala	Ile	
				215					220					225	
Ile	Gln	Leu	Pro	Ser	Lys	Arg	Gln	Met	Gln	Val	Leu	Glu	Thr	Cys	
				230					235					240	
Val	Ala	Thr	Val	Gly	Arg	Val	Ser	Asn	Val	Asp	His	Asn	Lys	Arg	
				245					250					255	
Val	Ile	Gly	Lys	Ala	Gly	Arg	Asn	Arg	Trp	Leu	Gly	Lys	Arg	Pro	
				260					265					270	
Asn	Ser	Gly	Arg	Trp	His	Arg	Lys	Gly	Gly	Trp	Ala	Gly	Arg	Lys	
				275					280					285	
Ile	Arg	Pro	Leu	Pro	Pro	Met	Lys	Ser	Tyr	Val	Lys	Leu	Pro	Ser	
				290					295					300	
Ala	Ser	Ala	Gln	Ser											
				305											

<210> 13

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1944530CD1

<400> 13

Met	Gly	Gln	Gln	Ile	Ser	Asp	Gln	Thr	Gln	Leu	Val	Ile	Asn	Lys	
1				5					10					15	
Leu	Pro	Glu	Lys	Val	Ala	Lys	His	Val	Thr	Leu	Val	Arg	Glu	Ser	
				20					25					30	
Gly	Ser	Leu	Thr	Tyr	Glu	Glu	Phe	Leu	Gly	Arg	Val	Ala	Glu	Leu	
				35					40					45	
Asn	Asp	Val	Thr	Ala	Lys	Val	Ala	Ser	Gly	Gln	Glu	Lys	His	Leu	
				50					55					60	
Leu	Phe	Glu	Val	Gln	Pro	Gly	Ser	Asp	Ser	Ser	Ala	Phe	Trp	Lys	
				65					70					75	
Val	Val	Val	Arg	Val	Val	Cys	Thr	Lys	Ile	Asn	Lys	Ser	Ser	Gly	
				80					85					90	
Ile	Val	Glu	Ala	Ser	Arg	Ile	Met	Asn	Leu	Tyr	Gln	Phe	Ile	Gln	
				95					100					105	
Leu	Tyr	Lys	Asp	Ile	Thr	Ser	Gln	Ala	Ala	Gly	Val	Leu	Ala	Gln	
				110					115					120	
Ser	Ser	Thr	Ser	Glu	Glu	Pro	Asp	Glu	Asn	Ser	Ser	Ser	Val	Thr	

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	125		130		135
Ser Cys Gln Ala	Ser Leu Trp Met Gly Arg Val Lys Gln Leu Thr				
	140		145		150
Asp Glu Glu Glu	Cys Cys Ile Cys Met Asp Gly Arg Ala Asp Leu				
	155		160		165
Ile Leu Pro Cys	Ala His Ser Phe Cys Gln Lys Cys Ile Asp Lys				
	170		175		180
Trp Ser Asp Arg	His Arg Asn Cys Pro Ile Cys Arg Leu Gln Met				
	185		190		195
Thr Gly Ala Asn	Glu Ser Trp Val Val Ser Asp Ala Pro Thr Glu				
	200		205		210
Asp Asp Met Ala	Asn Tyr Ile Leu Asn Met Ala Asp Glu Ala Gly				
	215		220		225
Gln Pro His Arg	Pro				
	230				

<210> 14

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2019742CD1

<400> 14

Met Ser Gly Met	Glu Ala Thr Val Thr	Ile Pro Ile Trp	Gln Asn
1	5	10	15
Lys Pro His Gly	Ala Ala Arg Ser Val	Val Arg Arg Ile	Gly Thr
	20	25	30
Asn Leu Pro Leu	Lys Pro Cys Ala Arg	Ala Ser Phe Glu	Thr Leu
	35	40	45
Pro Asn Ile Ser	Asp Leu Cys Leu Arg	Asp Val Pro Pro	Val Pro
	50	55	60
Thr Leu Ala Asp	Ile Ala Trp Ile Ala	Ala Asp Glu Glu	Glu Thr
	65	70	75
Tyr Ala Arg Val	Arg Ser Asp Thr Arg	Pro Leu Arg His	Thr Trp
	80	85	90
Lys Pro Ser Pro	Leu Ile Val Met Gln	Arg Asn Ala Ser	Val Pro
	95	100	105
Asn Leu Arg Gly	Ser Glu Glu Arg Leu	Leu Ala Leu Lys	Lys Pro
	110	115	120
Ala Leu Pro Ala	Leu Ser Arg Thr Thr	Glu Leu Gln Asp	Glu Leu
	125	130	135
Ser His Leu Arg	Ser Gln Ile Ala Lys	Ile Val Ala Ala	Asp Ala
	140	145	150
Ala Ser Ala Ser	Leu Thr Pro Asp Phe	Leu Ser Pro Gly	Ser Ser
	155	160	165
Asn Val Ser Ser	Pro Leu Pro Cys Phe	Gly Ser Ser Phe	His Ser
	170	175	180
Thr Thr Ser Phe	Val Ile Ser Asp Ile	Thr Glu Glu Thr	Glu Val
	185	190	195
Glu Val Pro Glu	Leu Pro Ser Val Pro	Leu Leu Cys Ser	Ala Ser
	200	205	210

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Pro	Glu	Cys	Cys	Lys	Pro	Glu	His	Lys	Ala	Ala	Cys	Ser	Ser	Ser		
				215					220						225	
Glu	Glu	Asp	Asp	Cys	Val	Ser	Leu	Ser	Lys	Ala	Ser	Ser	Phe	Ala		
				230					235						240	
Asp	Met	Met	Gly	Ile	Leu	Lys	Asp	Phe	His	Arg	Met	Lys	Gln	Ser		
				245					250						255	
Gln	Asp	Leu	Asn	Arg	Ser	Leu	Leu	Lys	Glu	Glu	Asp	Pro	Ala	Val		
				260					265						270	
Leu	Ile	Ser	Glu	Val	Leu	Arg	Arg	Lys	Phe	Ala	Leu	Lys	Glu	Glu		
				275					280						285	
Asp	Ile	Ser	Arg	Lys	Gly	Asn										
				290												

<210> 15

<211> 232

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2056042CD1

<400> 15

Met	Ala	Ser	Ser	Ala	Ala	Ser	Ser	Glu	His	Phe	Glu	Lys	Leu	His		
1				5					10					15		
Glu	Ile	Phe	Arg	Gly	Leu	His	Glu	Asp	Leu	Gln	Gly	Val	Pro	Glu		
				20					25					30		
Arg	Leu	Leu	Gly	Thr	Ala	Gly	Thr	Glu	Glu	Lys	Lys	Lys	Leu	Ile		
				35					40					45		
Arg	Asp	Phe	Asp	Glu	Lys	Gln	Gln	Glu	Ala	Asn	Glu	Thr	Leu	Ala		
				50					55					60		
Glu	Met	Glu	Glu	Glu	Leu	Arg	Tyr	Ala	Pro	Leu	Ser	Phe	Arg	Asn		
				65					70					75		
Pro	Met	Met	Ser	Lys	Leu	Arg	Asn	Tyr	Arg	Lys	Asp	Leu	Ala	Lys		
				80					85					90		
Leu	His	Arg	Glu	Val	Arg	Ser	Thr	Pro	Leu	Thr	Ala	Thr	Pro	Gly		
				95					100					105		
Gly	Arg	Gly	Asp	Met	Lys	Tyr	Gly	Ile	Tyr	Ala	Val	Glu	Asn	Glu		
				110					115					120		
His	Met	Asn	Arg	Leu	Gln	Ser	Gln	Arg	Ala	Met	Leu	Leu	Gln	Gly		
				125					130					135		
Thr	Glu	Ser	Leu	Asn	Arg	Ala	Thr	Gln	Ser	Ile	Glu	Arg	Ser	His		
				140					145					150		
Arg	Ile	Ala	Thr	Glu	Thr	Asp	Gln	Ile	Gly	Ser	Glu	Ile	Ile	Glu		
				155					160					165		
Glu	Leu	Gly	Glu	Gln	Arg	Asp	Gln	Leu	Glu	Arg	Thr	Lys	Ser	Arg		
				170					175					180		
Leu	Val	Asn	Thr	Ser	Glu	Asn	Leu	Ser	Lys	Ser	Arg	Lys	Ile	Leu		
				185					190					195		
Arg	Ser	Met	Ser	Arg	Lys	Val	Thr	Thr	Asn	Lys	Leu	Leu	Leu	Ser		
				200					205					210		
Ile	Ile	Ile	Leu	Leu	Glu	Leu	Ala	Ile	Leu	Gly	Gly	Leu	Val	Tyr		
				215					220					225		
Tyr	Lys	Phe	Phe	Arg	Ser	His										

<210> 16

<211> 376

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2398682CD1

<400> 16

Met	Arg	Gly	Lys	Thr	Phe	Arg	Phe	Glu	Met	Gln	Arg	Asp	Leu	Val
1				5					10					15
Ser	Phe	Pro	Leu	Ser	Pro	Ala	Val	Arg	Val	Lys	Leu	Val	Ser	Ala
				20					25					30
Gly	Phe	Gln	Thr	Ala	Glu	Glu	Leu	Leu	Glu	Val	Lys	Pro	Ser	Glu
				35					40					45
Leu	Ser	Lys	Glu	Val	Gly	Ile	Ser	Lys	Ala	Glu	Ala	Leu	Glu	Thr
				50					55					60
Leu	Gln	Ile	Ile	Arg	Arg	Glu	Cys	Leu	Thr	Asn	Lys	Pro	Arg	Tyr
				65					70					75
Ala	Gly	Thr	Ser	Glu	Ser	His	Lys	Lys	Cys	Thr	Ala	Leu	Glu	Leu
				80					85					90
Leu	Glu	Gln	Glu	His	Thr	Gln	Gly	Phe	Ile	Ile	Thr	Phe	Cys	Ser
				95					100					105
Ala	Leu	Asp	Asp	Ile	Leu	Gly	Gly	Gly	Val	Pro	Leu	Met	Lys	Thr
				110					115					120
Thr	Glu	Ile	Cys	Gly	Ala	Pro	Gly	Val	Gly	Lys	Thr	Gln	Leu	Cys
				125					130					135
Met	Gln	Leu	Ala	Val	Asp	Val	Gln	Ile	Pro	Glu	Cys	Phe	Gly	Gly
				140					145					150
Val	Ala	Gly	Glu	Ala	Val	Phe	Ile	Asp	Thr	Glu	Gly	Ser	Phe	Met
				155					160					165
Val	Asp	Arg	Val	Val	Asp	Leu	Ala	Thr	Ala	Cys	Ile	Gln	His	Leu
				170					175					180
Gln	Leu	Ile	Ala	Glu	Lys	His	Lys	Gly	Glu	Glu	His	Arg	Lys	Ala
				185					190					195
Leu	Glu	Asp	Phe	Thr	Leu	Asp	Asn	Ile	Leu	Ser	His	Ile	Tyr	Tyr
				200					205					210
Phe	Arg	Cys	Arg	Asp	Tyr	Thr	Glu	Leu	Leu	Ala	Gln	Val	Tyr	Leu
				215					220					225
Leu	Pro	Asp	Phe	Leu	Ser	Glu	His	Ser	Lys	Val	Arg	Leu	Val	Ile
				230					235					240
Val	Asp	Gly	Ile	Ala	Phe	Pro	Phe	Arg	His	Asp	Leu	Asp	Asp	Leu
				245					250					255
Ser	Leu	Arg	Thr	Arg	Leu	Leu	Asn	Gly	Leu	Ala	Gln	Gln	Met	Ile
				260					265					270
Ser	Leu	Ala	Asn	Asn	His	Arg	Leu	Ala	Val	Ile	Leu	Thr	Asn	Gln
				275					280					285
Met	Thr	Thr	Lys	Ile	Asp	Arg	Asn	Gln	Ala	Leu	Leu	Val	Pro	Ala
				290					295					300
Leu	Gly	Glu	Ser	Trp	Gly	His	Ala	Ala	Thr	Ile	Arg	Leu	Ile	Phe
				305					310					315

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His	Trp	Asp	Arg	Lys	Gln	Arg	Leu	Ala	Thr	Leu	Tyr	Lys	Ser	Pro
				320					325					330
Ser	Gln	Lys	Glu	Cys	Thr	Val	Leu	Phe	Gln	Ile	Lys	Pro	Gln	Gly
				335					340					345
Phe	Arg	Asp	Thr	Val	Val	Thr	Ser	Ala	Cys	Ser	Leu	Gln	Thr	Glu
				350					355					360
Gly	Ser	Leu	Ser	Thr	Arg	Lys	Arg	Ser	Arg	Asp	Pro	Glu	Glu	Glu
				365					370					375

Leu

<210> 17

<211> 204

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2518753CD1

<400> 17

Met	Ala	Lys	Val	Gln	Val	Asn	Asn	Val	Val	Val	Leu	Asp	Asn	Pro
1				5					10					15
Ser	Pro	Phe	Tyr	Asn	Pro	Phe	Gln	Phe	Glu	Ile	Thr	Phe	Glu	Cys
				20					25					30
Ile	Glu	Asp	Leu	Ser	Glu	Asp	Leu	Glu	Trp	Lys	Ile	Ile	Tyr	Val
				35					40					45
Gly	Ser	Ala	Glu	Ser	Glu	Glu	Tyr	Asp	Gln	Val	Leu	Asp	Ser	Val
				50					55					60
Leu	Val	Gly	Pro	Val	Pro	Ala	Gly	Arg	His	Met	Phe	Val	Phe	Gln
				65					70					75
Ala	Asp	Ala	Pro	Asn	Pro	Gly	Leu	Ile	Pro	Asp	Ala	Asp	Ala	Val
				80					85					90
Gly	Val	Thr	Val	Val	Leu	Ile	Thr	Cys	Thr	Tyr	Arg	Gly	Gln	Glu
				95					100					105
Phe	Ile	Arg	Val	Gly	Tyr	Tyr	Val	Asn	Asn	Glu	Tyr	Thr	Glu	Thr
				110					115					120
Glu	Leu	Arg	Glu	Asn	Pro	Pro	Val	Lys	Pro	Asp	Phe	Ser	Lys	Leu
				125					130					135
Gln	Arg	Asn	Ile	Leu	Ala	Ser	Asn	Pro	Arg	Val	Thr	Arg	Phe	His
				140					145					150
Ile	Asn	Trp	Glu	Asp	Asn	Thr	Glu	Lys	Leu	Glu	Asp	Ala	Glu	Ser
				155					160					165
Ser	Asn	Pro	Asn	Leu	Gln	Ser	Leu	Leu	Ser	Thr	Asp	Ala	Leu	Pro
				170					175					180
Ser	Ala	Ser	Lys	Gly	Trp	Ser	Thr	Ser	Glu	Asn	Ser	Leu	Asn	Val
				185					190					195

Met Leu Glu Ser His Met Asp Cys Met
200

<210> 18

<211> 713

<212> PRT

<213> Homo sapiens

PF-0509 USN

<220>

<221> misc_feature

<223> Incyte ID No: 2709055CD1

<400> 18

Met	Tyr	Leu	Leu	Ile	Gln	Met	Cys	Tyr	His	Leu	Ala	Leu	Pro	Trp	
1				5					10					15	
Tyr	Ser	Lys	Tyr	Phe	Pro	Tyr	Leu	Ala	Leu	Ile	His	Thr	Ile	Ile	
				20					25					30	
Leu	Met	Ala	Ser	Ser	Asn	Phe	Trp	Phe	Lys	Tyr	Pro	Lys	Thr	Cys	
				35					40					45	
Ser	Lys	Val	Glu	His	Ser	Val	Ser	Ile	Leu	Gly	Lys	Cys	Phe	Glu	
				50					55					60	
Ser	Pro	Trp	Thr	Thr	Lys	Ala	Leu	Ser	Glu	Thr	Ala	Cys	Glu	Asp	
				65					70					75	
Ser	Glu	Glu	Asn	Lys	Gln	Arg	Ile	Thr	Gly	Ala	Gln	Thr	Leu	Pro	
				80					85					90	
Lys	His	Val	Ser	Thr	Ser	Ser	Asp	Glu	Gly	Ser	Pro	Ser	Ala	Ser	
				95					100					105	
Thr	Pro	Met	Ile	Asn	Lys	Thr	Gly	Phe	Lys	Phe	Ser	Ala	Glu	Lys	
				110					115					120	
Pro	Val	Ile	Glu	Val	Pro	Ser	Met	Thr	Ile	Leu	Asp	Lys	Lys	Asp	
				125					130					135	
Gly	Glu	Gln	Ala	Lys	Ala	Leu	Phe	Glu	Lys	Val	Arg	Lys	Phe	Arg	
				140					145					150	
Ala	His	Val	Glu	Asp	Ser	Asp	Leu	Ile	Tyr	Lys	Leu	Tyr	Val	Val	
				155					160					165	
Gln	Thr	Val	Ile	Lys	Thr	Ala	Lys	Phe	Ile	Phe	Ile	Leu	Cys	Tyr	
				170					175					180	
Thr	Ala	Asn	Phe	Val	Asn	Ala	Ile	Ser	Phe	Glu	His	Val	Cys	Lys	
				185					190					195	
Pro	Lys	Val	Glu	His	Leu	Ile	Gly	Tyr	Glu	Val	Phe	Glu	Cys	Thr	
				200					205					210	
His	Asn	Met	Ala	Tyr	Met	Leu	Lys	Lys	Leu	Leu	Ile	Ser	Tyr	Ile	
				215					220					225	
Ser	Ile	Ile	Cys	Val	Tyr	Gly	Phe	Ile	Cys	Leu	Tyr	Thr	Leu	Phe	
				230					235					240	
Trp	Leu	Phe	Arg	Ile	Pro	Leu	Lys	Glu	Tyr	Ser	Phe	Glu	Lys	Val	
				245					250					255	
Arg	Glu	Glu	Ser	Ser	Phe	Ser	Asp	Ile	Pro	Asp	Val	Lys	Asn	Asp	
				260					265					270	
Phe	Ala	Phe	Leu	Leu	His	Met	Val	Asp	Gln	Tyr	Asp	Gln	Leu	Tyr	
				275					280					285	
Ser	Lys	Arg	Phe	Gly	Val	Phe	Leu	Ser	Glu	Val	Ser	Glu	Asn	Lys	
				290					295					300	
Leu	Arg	Glu	Ile	Ser	Leu	Asn	His	Glu	Trp	Thr	Phe	Glu	Lys	Leu	
				305					310					315	
Arg	Gln	His	Ile	Ser	Arg	Asn	Ala	Gln	Asp	Lys	Gln	Glu	Leu	His	
				320					325					330	
Leu	Phe	Met	Leu	Ser	Gly	Val	Pro	Asp	Ala	Val	Phe	Asp	Leu	Thr	
				335					340					345	
Asp	Leu	Asp	Val	Leu	Lys	Leu	Glu	Leu	Ile	Pro	Glu	Ala	Lys	Ile	
				350					355					360	
Pro	Ala	Lys	Ile	Ser	Gln	Met	Thr	Asn	Leu	Gln	Glu	Leu	His	Leu	

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	365		370		375
Cys His Cys Pro	Ala Lys Val Glu Gln	Thr Ala Phe Ser Phe	Leu		
	380		385		390
Arg Asp His Leu	Arg Cys Leu His Val	Lys Phe Thr Asp Val	Ala		
	395		400		405
Glu Ile Pro Ala	Trp Val Tyr Leu Leu	Lys Asn Leu Arg Glu	Leu		
	410		415		420
Tyr Leu Ile Gly	Asn Leu Asn Ser Glu	Asn Asn Lys Met Ile	Gly		
	425		430		435
Leu Glu Ser Leu	Arg Glu Leu Arg His	Leu Lys Ile Leu His	Val		
	440		445		450
Lys Ser Asn Leu	Thr Lys Val Pro Ser	Asn Ile Thr Asp Val	Ala		
	455		460		465
Pro His Leu Thr	Lys Leu Val Ile His	Asn Asp Gly Thr Lys	Leu		
	470		475		480
Leu Val Leu Asn	Ser Leu Lys Lys Met	Met Asn Val Ala Glu	Leu		
	485		490		495
Glu Leu Gln Asn	Cys Glu Leu Glu Arg	Ile Pro His Ala Ile	Phe		
	500		505		510
Ser Leu Ser Asn	Leu Gln Glu Leu Asp	Leu Lys Ser Asn Asn	Ile		
	515		520		525
Arg Thr Ile Glu	Glu Ile Ile Ser Phe	Gln His Leu Lys Arg	Leu		
	530		535		540
Thr Cys Leu Lys	Leu Trp His Asn Lys	Ile Val Thr Ile Pro	Pro		
	545		550		555
Ser Ile Thr His	Val Lys Asn Leu Glu	Ser Leu Tyr Phe Ser	Asn		
	560		565		570
Asn Lys Leu Glu	Ser Leu Pro Val Ala	Val Phe Ser Leu Gln	Lys		
	575		580		585
Leu Arg Cys Leu	Asp Val Ser Tyr Asn	Asn Ile Ser Met Ile	Pro		
	590		595		600
Ile Glu Ile Gly	Leu Leu Gln Asn Leu	Gln His Leu His Ile	Thr		
	605		610		615
Gly Asn Lys Val	Asp Ile Leu Pro Lys	Gln Leu Phe Lys Cys	Ile		
	620		625		630
Lys Leu Arg Thr	Leu Asn Leu Gly Gln	Asn Cys Ile Thr Ser	Leu		
	635		640		645
Pro Glu Lys Val	Gly Gln Leu Ser Gln	Leu Thr Gln Leu Glu	Leu		
	650		655		660
Lys Gly Asn Cys	Leu Asp Arg Leu Pro	Ala Gln Leu Gly Gln	Cys		
	665		670		675
Arg Met Leu Lys	Lys Ser Gly Leu Val	Val Glu Asp His Leu	Phe		
	680		685		690
Asp Thr Leu Pro	Leu Glu Val Lys Glu	Ala Leu Asn Gln Asp	Ile		
	695		700		705
Asn Ile Pro Phe	Ala Asn Gly Ile				
	710				

<210> 19

<211> 360

<212> PRT

<213> Homo sapiens

<220>

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<221> misc_feature
<223> Incyte ID No: 2724537CD1
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Met	Ala	Ser	Leu	Leu	Ala	Lys	Asp	Ala	Tyr	Leu	Gln	Ser	Leu	Ala
1				5					10					15
Lys	Lys	Ile	Cys	Ser	His	Ser	Ala	Pro	Glu	Gln	Gln	Ala	Arg	Thr
				20					25					30
Arg	Ala	Gly	Lys	Thr	Gln	Gly	Ser	Glu	Thr	Ala	Gly	Pro	Pro	Lys
				35					40					45
Lys	Lys	Arg	Lys	Lys	Thr	Gln	Lys	Lys	Phe	Arg	Lys	Arg	Glu	Glu
				50					55					60
Lys	Ala	Ala	Glu	His	Lys	Ala	Lys	Ser	Leu	Gly	Glu	Lys	Ser	Pro
				65					70					75
Ala	Ala	Ser	Gly	Ala	Arg	Arg	Pro	Glu	Ala	Ala	Lys	Glu	Glu	Ala
				80					85					90
Ala	Trp	Ala	Ser	Ser	Ser	Ala	Gly	Asn	Pro	Ala	Asp	Gly	Leu	Ala
				95					100					105
Thr	Glu	Pro	Glu	Ser	Val	Phe	Ala	Leu	Asp	Val	Leu	Arg	Gln	Arg
				110					115					120
Leu	His	Glu	Lys	Ile	Gln	Glu	Ala	Arg	Gly	Gln	Gly	Ser	Ala	Lys
				125					130					135
Glu	Leu	Ser	Pro	Ala	Ala	Leu	Glu	Lys	Arg	Arg	Arg	Arg	Lys	Gln
				140					145					150
Glu	Arg	Asp	Arg	Lys	Lys	Arg	Lys	Arg	Lys	Glu	Leu	Arg	Ala	Lys
				155					160					165
Glu	Lys	Ala	Arg	Lys	Ala	Glu	Glu	Ala	Thr	Glu	Ala	Gln	Glu	Val
				170					175					180
Val	Glu	Ala	Thr	Pro	Glu	Gly	Ala	Cys	Thr	Glu	Pro	Arg	Glu	Pro
				185					190					195
Pro	Gly	Leu	Ile	Phe	Asn	Lys	Val	Glu	Val	Ser	Glu	Asp	Glu	Pro
				200					205					210
Ala	Ser	Lys	Ala	Gln	Arg	Arg	Lys	Glu	Lys	Arg	Gln	Arg	Val	Lys
				215					220					225
Gly	Asn	Leu	Thr	Pro	Leu	Thr	Gly	Arg	Asn	Tyr	Arg	Gln	Leu	Leu
				230					235					240
Glu	Arg	Leu	Gln	Ala	Arg	Gln	Ser	Arg	Leu	Asp	Glu	Leu	Arg	Gly
				245					250					255
Gln	Asp	Glu	Gly	Lys	Ala	Gln	Glu	Leu	Glu	Ala	Lys	Met	Lys	Trp
				260					265					270
Thr	Asn	Leu	Leu	Tyr	Lys	Ala	Glu	Gly	Val	Lys	Ile	Arg	Asp	Asp
				275					280					285
Glu	Arg	Leu	Leu	Gln	Glu	Ala	Leu	Lys	Arg	Lys	Glu	Lys	Arg	Arg
				290					295					300
Ala	Gln	Arg	Gln	Arg	Arg	Trp	Glu	Lys	Arg	Thr	Ala	Gly	Val	Val
				305					310					315
Glu	Lys	Met	Gln	Gln	Arg	Gln	Asp	Arg	Arg	Arg	Gln	Asn	Leu	Arg
				320					325					330
Arg	Lys	Lys	Ala	Ala	Arg	Ala	Glu	Arg	Arg	Leu	Leu	Arg	Ala	Arg
				335					340					345
Lys	Lys	Gly	Arg	Ile	Leu	Pro	Gln	Asp	Leu	Glu	Arg	Ala	Gly	Leu
	</													

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<210> 20
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 025818CD1

<400> 20
Met Pro Ala Asp Ile Met Glu Lys Asn Ser Ser Ser Pro Val Ala
1 5 10 15
Ala Thr Pro Ala Ser Val Asn Thr Thr Pro Asp Lys Pro Lys Thr
20 25 30
Ala Ser Glu His Arg Lys Ser Ser Lys Pro Ile Met Glu Lys Arg
35 40 45
Arg Arg Ala Arg Ile Asn Glu Ser Leu Ser Gln Leu Lys Thr Leu
50 55 60
Ile Leu Asp Ala Leu Lys Lys Asp Ser Ser Arg His Ser Lys Leu
65 70 75
Glu Lys Ala Asp Ile Leu Glu Met Thr Val Lys His Leu Arg Asn
80 85 90
Leu Gln Arg Ala Gln Met Thr Ala Ala Leu Ser Thr Asp Pro Ser
95 100 105
Val Leu Gly Lys Tyr Arg Ala Gly Phe Ser Glu Cys Met Asn Glu
110 115 120
Val Thr Arg Phe Leu Ser Ser Pro Ser Thr Pro Ala Thr Ala Ala
125 130 135
Pro Pro Trp Ala Pro Thr Gln Cys His Leu Pro Ala Ala Pro Arg
140 145 150
Leu Arg Arg Thr Pro Cys Gly Gly Arg Gly Gly Thr Glu Gly Ala
155 160 165
Gln Ala Thr Pro Pro Pro Lys Leu Pro Asn Pro Pro Leu Phe Pro
170 175 180
Pro Asp Ser Lys Gln Glu Leu Glu Tyr Trp Glu Arg Arg Gly Leu
185 190 195
Phe

<210> 21
<211> 540
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 438283CD1

<400> 21
Met Leu Arg Glu Glu Ala Thr Lys Lys Ser Lys Glu Lys Glu Pro
1 5 10 15
Gly Met Ala Leu Pro Gln Gly Arg Leu Ala Phe Arg Asp Val Ala
20 25 30
Ile Glu Phe Ser Leu Glu Glu Trp Lys Cys Leu Asn Pro Ala Gln

				35					40					45
Arg	Ala	Leu	Tyr	Arg	Ala	Val	Met	Leu	Glu	Asn	Tyr	Arg	Asn	Leu
				50					55					60
Glu	Phe	Val	Asp	Ser	Ser	Leu	Lys	Ser	Met	Met	Glu	Phe	Ser	Ser
				65					70					75
Thr	Arg	His	Ser	Asn	Thr	Gly	Glu	Val	Ile	His	Thr	Gly	Thr	Leu
				80					85					90
Gln	Arg	His	Lys	Ser	His	His	Ile	Gly	Asp	Phe	Cys	Phe	Pro	Glu
				95					100					105
Met	Lys	Lys	Asp	Ile	His	His	Phe	Glu	Phe	Gln	Trp	Gln	Glu	Val
				110					115					120
Glu	Arg	Asn	Gly	His	Glu	Ala	Pro	Met	Thr	Lys	Ile	Lys	Lys	Leu
				125					130					135
Thr	Gly	Ser	Thr	Asp	Arg	Ser	Asp	His	Arg	His	Ala	Gly	Asn	Lys
				140					145					150
Pro	Ile	Lys	Asp	Gln	Leu	Gly	Leu	Ser	Phe	His	Ser	His	Leu	Pro
				155					160					165
Glu	Leu	His	Met	Phe	Gln	Thr	Lys	Gly	Lys	Ile	Ser	Asn	Gln	Leu
				170					175					180
Asp	Lys	Ser	Ile	Ser	Gly	Ala	Ser	Ser	Ala	Ser	Glu	Ser	Gln	Arg
				185					190					195
Ile	Ser	Cys	Arg	Leu	Lys	Thr	His	Ile	Ser	Asn	Lys	Tyr	Gly	Lys
				200					205					210
Asn	Phe	Leu	His	Ser	Ser	Phe	Thr	Gln	Ile	Gln	Glu	Ile	Cys	Met
				215					220					225
Arg	Glu	Lys	Pro	Cys	Gln	Ser	Asn	Glu	Cys	Gly	Lys	Ala	Phe	Asn
				230					235					240
Tyr	Ser	Ser	Leu	Leu	Arg	Arg	His	His	Ile	Thr	His	Ser	Arg	Glu
				245					250					255
Arg	Glu	Tyr	Lys	Cys	Asp	Val	Cys	Gly	Lys	Ile	Phe	Asn	Gln	Lys
				260					265					270
Gln	Tyr	Ile	Val	Tyr	His	His	Arg	Cys	His	Thr	Gly	Glu	Lys	Thr
				275					280					285
Tyr	Lys	Cys	Asn	Glu	Cys	Gly	Lys	Thr	Phe	Thr	Gln	Met	Ser	Ser
				290					295					300
Leu	Val	Cys	His	Arg	Arg	Leu	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys
				305					310					315
Cys	Asn	Glu	Cys	Gly	Lys	Thr	Phe	Ser	Glu	Lys	Ser	Ser	Leu	Arg
				320					325					330
Cys	His	Arg	Arg	Leu	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Asn
				335					340					345
Glu	Cys	Gly	Lys	Thr	Phe	Gly	Arg	Asn	Ser	Ala	Leu	Val	Ile	His
				350					355					360
Lys	Ala	Ile	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Asn	Glu	Cys
				365					370					375
Gly	Lys	Thr	Phe	Ser	Gln	Lys	Ser	Ser	Leu	Gln	Cys	His	His	Ile
				380					385					390
Leu	His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Glu	Glu	Cys	Asp	Asn
				395					400					405
Val	Tyr	Ile	Arg	Arg	Ser	His	Leu	Glu	Arg	His	Arg	Lys	Ile	His
				410					415					420
Thr	Gly	Glu	Gly	Ser	Tyr	Lys	Cys	Lys	Val	Cys	Asp	Lys	Ala	Phe
				425					430					435
Arg	Ser	Asp	Ser	Cys	Leu	Ala	Asn	His	Thr	Arg	Val	His	Thr	Gly

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	440		445		450
Glu Lys Pro Tyr	Lys Cys Asn Lys Cys	Ala Lys Val Phe Asn Gln			
	455		460		465
Lys Gly Ile Leu	Ala Gln His Gln Arg	Val His Thr Gly Glu Lys			
	470		475		480
Pro Tyr Lys Cys	Asn Glu Cys Gly Lys	Val Phe Asn Gln Lys Ala			
	485		490		495
Ser Leu Ala Lys	His Gln Arg Val His	Thr Ala Glu Lys Pro Tyr			
	500		505		510
Lys Cys Asn Glu	Cys Gly Lys Ala Phe	Thr Gly Gln Ser Thr Leu			
	515		520		525
Ile His His Gln	Ala Ile His Gly Cys	Arg Glu Thr Leu Gln Met			
	530		535		540

<210> 22

<211> 549

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 619699CD1

<400> 22

Met Leu Glu Asn Tyr	Lys Asn Leu Ala Thr	Val Gly Tyr Gln Leu	
1	5	10	15
Phe Lys Pro Ser Leu	Ile Ser Trp Leu Glu	Gln Glu Glu Ser Arg	
	20	25	30
Thr Val Gln Arg Gly	Asp Phe Gln Ala Ser	Glu Trp Lys Val Gln	
	35	40	45
Leu Lys Thr Lys Glu	Leu Ala Leu Gln Gln	Asp Val Leu Gly Glu	
	50	55	60
Pro Thr Ser Ser Gly	Ile Gln Met Ile Gly	Ser His Asn Gly Gly	
	65	70	75
Glu Val Ser Asp Val	Lys Gln Cys Gly Asp	Val Ser Ser Glu His	
	80	85	90
Ser Cys Leu Lys Thr	His Val Arg Thr Gln	Asn Ser Glu Asn Thr	
	95	100	105
Phe Glu Cys Tyr Leu	Tyr Gly Val Asp Phe	Leu Thr Leu His Lys	
	110	115	120
Lys Thr Ser Thr Gly	Glu Gln Arg Ser Val	Phe Ser Gln Cys Gly	
	125	130	135
Lys Ala Phe Ser Leu	Asn Pro Asp Val Val	Cys Gln Arg Thr Cys	
	140	145	150
Thr Gly Glu Lys Ala	Phe Asp Cys Ser Asp	Ser Gly Lys Ser Phe	
	155	160	165
Ile Asn His Ser His	Leu Gln Gly His Leu	Arg Thr His Asn Gly	
	170	175	180
Glu Ser Leu His Glu	Trp Lys Glu Cys Gly	Arg Gly Phe Ile His	
	185	190	195
Ser Thr Asp Leu Ala	Val Arg Ile Gln Thr	His Arg Ser Glu Lys	
	200	205	210
Pro Tyr Lys Cys Lys	Glu Cys Gly Lys Gly	Phe Arg Tyr Ser Ala	

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	215		220		225
Tyr Leu Asn Ile His Met Gly Thr His Thr Gly Asp Asn Pro Tyr					
	230		235		240
Glu Cys Lys Glu Cys Gly Lys Ala Phe Thr Arg Ser Cys Gln Leu					
	245		250		255
Thr Gln His Arg Lys Thr His Thr Gly Glu Lys Pro Tyr Lys Cys					
	260		265		270
Lys Asp Cys Gly Arg Ala Phe Thr Val Ser Ser Cys Leu Ser Gln					
	275		280		285
His Met Lys Ile His Val Gly Glu Lys Pro Tyr Glu Cys Lys Glu					
	290		295		300
Cys Gly Ile Ala Phe Thr Arg Ser Ser Gln Leu Thr Glu His Leu					
	305		310		315
Lys Thr His Thr Ala Lys Asp Pro Phe Glu Cys Lys Val Cys Gly					
	320		325		330
Lys Ser Phe Arg Asn Ser Ser Cys Leu Ser Asp His Phe Arg Ile					
	335		340		345
His Thr Gly Ile Lys Pro Tyr Lys Cys Lys Asp Cys Gly Lys Ala					
	350		355		360
Phe Thr Gln Asn Ser Asp Leu Thr Lys His Ala Arg Thr His Ser					
	365		370		375
Gly Glu Arg Pro Tyr Glu Cys Lys Glu Cys Gly Lys Ala Phe Ala					
	380		385		390
Arg Ser Ser Arg Leu Ser Glu His Thr Arg Thr His Thr Gly Glu					
	395		400		405
Lys Pro Phe Glu Cys Val Lys Cys Gly Lys Ala Phe Ala Ile Ser					
	410		415		420
Ser Asn Leu Ser Gly His Leu Arg Ile His Thr Gly Glu Lys Pro					
	425		430		435
Phe Glu Cys Leu Glu Cys Gly Lys Ala Phe Thr His Ser Ser Ser					
	440		445		450
Leu Asn Asn His Met Arg Thr His Ser Ala Lys Lys Pro Phe Thr					
	455		460		465
Cys Met Glu Cys Gly Lys Ala Phe Lys Phe Pro Thr Cys Val Asn					
	470		475		480
Leu His Met Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Lys					
	485		490		495
Gln Cys Gly Lys Ser Phe Ser Tyr Ser Asn Ser Phe Gln Leu His					
	500		505		510
Glu Arg Thr His Thr Gly Glu Lys Pro Tyr Glu Cys Lys Glu Cys					
	515		520		525
Gly Lys Ala Phe Ser Ser Ser Ser Ser Phe Arg Asn His Glu Arg					
	530		535		540
Arg His Ala Asp Glu Arg Leu Ser Ala					
	545				

<210> 23

<211> 361

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 693452CD1

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<220>

<221> unsure

<222> 335

<223> unknown or other

<400> 23

Met	Ala	Asp	Phe	Lys	Val	Leu	Ser	Ser	Gln	Asp	Ile	Lys	Trp	Ala
1				5					10					15
Leu	His	Glu	Leu	Lys	Gly	His	Tyr	Ala	Ile	Thr	Arg	Lys	Ala	Leu
				20					25					30
Ser	Asp	Ala	Ile	Lys	Lys	Trp	Gln	Glu	Leu	Ser	Pro	Glu	Thr	Ser
				35					40					45
Gly	Lys	Arg	Lys	Lys	Arg	Lys	Gln	Met	Asn	Gln	Tyr	Ser	Tyr	Ile
				50					55					60
Asp	Phe	Lys	Phe	Glu	Gln	Gly	Asp	Ile	Lys	Ile	Glu	Lys	Arg	Met
				65					70					75
Phe	Phe	Leu	Glu	Asn	Lys	Arg	Arg	His	Cys	Arg	Ser	Tyr	Asp	Arg
				80					85					90
Arg	Ala	Leu	Leu	Pro	Ala	Val	Gln	Gln	Glu	Gln	Glu	Phe	Tyr	Glu
				95					100					105
Gln	Lys	Ile	Lys	Glu	Met	Ala	Glu	His	Glu	Asp	Phe	Leu	Leu	Ala
				110					115					120
Leu	Gln	Met	Asn	Glu	Glu	Gln	Tyr	Gln	Lys	Asp	Gly	Gln	Leu	Ile
				125					130					135
Glu	Cys	Arg	Cys	Cys	Tyr	Gly	Glu	Phe	Pro	Phe	Glu	Glu	Leu	Thr
				140					145					150
Gln	Cys	Ala	Asp	Ala	His	Leu	Phe	Cys	Lys	Glu	Cys	Leu	Ile	Arg
				155					160					165
Tyr	Ala	Gln	Glu	Ala	Val	Phe	Gly	Ser	Gly	Lys	Leu	Glu	Leu	Ser
				170					175					180
Cys	Met	Glu	Gly	Ser	Cys	Thr	Cys	Ser	Phe	Pro	Thr	Ser	Glu	Leu
				185					190					195
Glu	Lys	Val	Leu	Pro	Gln	Thr	Ile	Leu	Tyr	Lys	Tyr	Tyr	Glu	Arg
				200					205					210
Lys	Ala	Glu	Glu	Glu	Val	Ala	Ala	Ala	Tyr	Ala	Asp	Glu	Leu	Val
				215					220					225
Arg	Cys	Pro	Ser	Cys	Ser	Phe	Pro	Ala	Leu	Leu	Asp	Ser	Asp	Val
				230					235					240
Lys	Arg	Phe	Ser	Cys	Pro	Asn	Pro	His	Cys	Arg	Lys	Glu	Thr	Cys
				245					250					255
Arg	Lys	Cys	Gln	Gly	Leu	Trp	Lys	Glu	His	Asn	Gly	Leu	Thr	Cys
				260					265					270
Glu	Glu	Leu	Ala	Glu	Lys	Asp	Asp	Ile	Lys	Tyr	Arg	Thr	Ser	Ile
				275					280					285
Glu	Glu	Lys	Met	Thr	Ala	Ala	Arg	Ile	Arg	Lys	Cys	His	Lys	Cys
				290					295					300
Gly	Thr	Gly	Leu	Ile	Lys	Ser	Glu	Gly	Cys	Asn	Arg	Met	Ser	Cys
				305					310					315
Arg	Cys	Gly	Ala	Gln	Met	Cys	Tyr	Leu	Cys	Arg	Val	Ser	Ile	Asn
				320					325					330
Gly	Tyr	Asp	His	Xaa	Cys	Gln	Gln	Ser	Arg	Leu	Thr	Gly	Ala	Pro
				335					340					345
Phe	Gln	Gly	Val	Phe	Lys	Met	Leu	Ser	Met	Asp	Arg	Leu	Gln	Cys
				350					355					360

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Lys

<210> 24

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 839651CD1

<400> 24

Met	Trp	Pro	Ser	Leu	Glu	Ala	Leu	Cys	Ser	Leu	Phe	Ala	Ala	Arg
1				5					10					15
Ser	Thr	Gly	Ser	Gln	Ala	Gln	Ser	Ala	Pro	Thr	Pro	Ala	Trp	Asp
				20					25					30
Glu	Asp	Thr	Ala	Gln	Ile	Gly	Pro	Lys	Arg	Ile	Arg	Lys	Ala	Ala
				35					40					45
Lys	Arg	Glu	Leu	Met	Pro	Cys	Asp	Phe	Pro	Gly	Cys	Gly	Arg	Ile
				50					55					60
Phe	Ser	Asn	Arg	Gln	Tyr	Leu	Asn	His	His	Lys	Lys	Tyr	Gln	His
				65					70					75
Ile	His	Gln	Lys	Ser	Phe	Ser	Cys	Pro	Glu	Pro	Ala	Cys	Gly	Lys
				80					85					90
Ser	Phe	Asn	Phe	Lys	Lys	His	Leu	Lys	Glu	His	Met	Lys	Leu	His
				95					100					105
Ser	Asp	Thr	Arg	Asp	Tyr	Ile	Cys	Glu	Phe	Cys	Ala	Arg	Ser	Phe
				110					115					120
Arg	Thr	Ser	Ser	Asn	Leu	Val	Ile	His	Arg	Arg	Ile	His	Thr	Gly
				125					130					135
Glu	Lys	Pro	Leu	Gln	Cys	Glu	Ile	Cys	Gly	Phe	Thr	Cys	Arg	Gln
				140					145					150
Lys	Ala	Ser	Leu	Asn	Trp	His	Gln	Arg	Lys	His	Ala	Glu	Thr	Val
				155					160					165
Ala	Ala	Leu	Arg	Phe	Pro	Cys	Glu	Phe	Cys	Gly	Lys	Arg	Phe	Glu
				170					175					180
Lys	Pro	Asp	Ser	Val	Ala	Ala	His	Arg	Ser	Lys	Ser	His	Pro	Ala
				185					190					195
Leu	Leu	Leu	Ala	Pro	Gln	Glu	Ser	Pro	Ser	Gly	Pro	Leu	Glu	Pro
				200					205					210
Cys	Pro	Ser	Ile	Ser	Ala	Pro	Gly	Pro	Leu	Gly	Ser	Ser	Glu	Gly
				215					220					225
Ser	Arg	Pro	Ser	Ala	Ser	Pro	Gln	Ala	Pro	Thr	Leu	Leu	Pro	Gln
				230					235					240

Gln

<210> 25

<211> 576

<212> PRT

<213> Homo sapiens

<220>

PF-0509 USN

<221> misc_feature

<223> Incyte ID No: 1253545CD1

<400> 25

Met	Ala	Lys	Ala	Gln	Glu	Thr	Gly	His	Leu	Val	Met	Asp	Val	Arg
1				5					10					15
Arg	Tyr	Gly	Lys	Ala	Gly	Ser	Pro	Glu	Thr	Lys	Trp	Ile	Asp	Ala
				20					25					30
Thr	Ser	Gly	Ile	Tyr	Asn	Ser	Glu	Lys	Ser	Ser	Asn	Leu	Ser	Val
				35					40					45
Thr	Thr	Asp	Phe	Ser	Glu	Ser	Leu	Gln	Ser	Ser	Asn	Ile	Glu	Ser
				50					55					60
Lys	Glu	Ile	Asn	Gly	Ile	His	Asp	Glu	Ser	Asn	Ala	Phe	Glu	Ser
				65					70					75
Lys	Ala	Ser	Glu	Ser	Ile	Ser	Leu	Lys	Asn	Leu	Lys	Arg	Arg	Ser
				80					85					90
Gln	Phe	Phe	Glu	Gln	Gly	Ser	Ser	Asp	Ser	Val	Val	Pro	Asp	Leu
				95					100					105
Pro	Val	Pro	Thr	Ile	Ser	Ala	Pro	Ser	Arg	Trp	Val	Trp	Asp	Gln
				110					115					120
Glu	Glu	Glu	Arg	Lys	Arg	Gln	Glu	Arg	Trp	Gln	Lys	Glu	Gln	Asp
				125					130					135
Arg	Leu	Leu	Gln	Glu	Lys	Tyr	Gln	Arg	Glu	Gln	Glu	Lys	Leu	Arg
				140					145					150
Glu	Glu	Trp	Gln	Arg	Ala	Lys	Gln	Glu	Ala	Glu	Arg	Glu	Asn	Ser
				155					160					165
Lys	Tyr	Leu	Asp	Glu	Glu	Leu	Met	Val	Leu	Ser	Ser	Asn	Ser	Met
				170					175					180
Ser	Leu	Thr	Thr	Arg	Glu	Pro	Ser	Leu	Ala	Thr	Trp	Glu	Ala	Thr
				185					190					195
Trp	Ser	Glu	Gly	Ser	Lys	Ser	Ser	Asp	Arg	Glu	Gly	Thr	Arg	Ala
				200					205					210
Gly	Glu	Glu	Glu	Arg	Arg	Gln	Pro	Gln	Glu	Glu	Val	Val	His	Glu
				215					220					225
Asp	Gln	Gly	Lys	Lys	Pro	Gln	Asp	Gln	Leu	Val	Ile	Glu	Arg	Glu
				230					235					240
Arg	Lys	Trp	Glu	Gln	Gln	Leu	Gln	Glu	Glu	Gln	Glu	Gln	Lys	Arg
				245					250					255
Leu	Gln	Ala	Glu	Ala	Glu	Glu	Gln	Lys	Arg	Pro	Ala	Glu	Glu	Gln
				260					265					270
Lys	Arg	Gln	Ala	Glu	Ile	Glu	Arg	Glu	Thr	Ser	Val	Arg	Ile	Tyr
				275					280					285
Gln	Tyr	Arg	Arg	Pro	Val	Asp	Ser	Tyr	Asp	Ile	Pro	Lys	Thr	Glu
				290					295					300
Glu	Ala	Ser	Ser	Gly	Phe	Leu	Pro	Gly	Asp	Arg	Asn	Lys	Ser	Arg
				305					310					315
Ser	Thr	Thr	Glu	Leu	Asp	Asp	Tyr	Ser	Thr	Asn	Lys	Asn	Gly	Asn
				320					325					330
Asn	Lys	Tyr	Leu	Asp	Gln	Ile	Gly	Asn	Thr	Thr	Ser	Ser	Gln	Arg
				335					340					345
Arg	Ser	Lys	Lys	Glu	Gln	Val	Pro	Ser	Gly	Ala	Glu	Leu	Glu	Arg
				350					355					360
Gln	Gln	Ile	Leu	Gln	Glu	Met	Arg	Lys	Arg	Thr	Pro	Leu	His	Asn
				365					370					375

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Asp	Asn	Ser	Trp	Ile	Arg	Gln	Arg	Ser	Ala	Ser	Val	Asn	Lys	Glu
				380					385					390
Pro	Val	Ser	Leu	Pro	Gly	Ile	Met	Arg	Arg	Gly	Glu	Ser	Leu	Asp
				395					400					405
Asn	Leu	Asp	Ser	Pro	Arg	Ser	Asn	Ser	Trp	Arg	Gln	Pro	Pro	Trp
				410					415					420
Leu	Asn	Gln	Pro	Thr	Gly	Phe	Tyr	Ala	Ser	Ser	Ser	Val	Gln	Asp
				425					430					435
Phe	Ser	Arg	Pro	Gln	Pro	Gln	Leu	Val	Ser	Thr	Ser	Asn	Arg	Ala
				440					445					450
Tyr	Met	Arg	Asn	Pro	Ser	Ser	Ser	Val	Pro	Pro	Pro	Ser	Ala	Gly
				455					460					465
Ser	Val	Lys	Thr	Ser	Thr	Thr	Gly	Val	Ala	Thr	Thr	Gln	Ser	Pro
				470					475					480
Thr	Pro	Arg	Ser	His	Ser	Pro	Ser	Ala	Ser	Gln	Ser	Gly	Ser	Gln
				485					490					495
Leu	Arg	Asn	Arg	Ser	Val	Ser	Gly	Lys	Arg	Ile	Cys	Ser	Tyr	Cys
				500					505					510
Asn	Asn	Ile	Leu	Gly	Lys	Gly	Ala	Ala	Met	Ile	Ile	Glu	Ser	Leu
				515					520					525
Gly	Leu	Cys	Tyr	His	Leu	His	Cys	Phe	Lys	Cys	Val	Ala	Cys	Glu
				530					535					540
Cys	Asp	Leu	Gly	Gly	Ser	Ser	Ser	Gly	Ala	Glu	Val	Arg	Ile	Arg
				545					550					555
Asn	His	Gln	Leu	Tyr	Cys	Asn	Asp	Cys	Tyr	Leu	Arg	Phe	Lys	Ser
				560					565					570
Gly	Arg	Pro	Thr	Ala	Met									
				575										

<210> 26

<211> 408

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1425691CD1

<400> 26

Met	Pro	Gly	His	Leu	Gln	Glu	Gly	Phe	Gly	Cys	Val	Val	Thr	Asn
1				5					10					15
Arg	Phe	Asp	Gln	Leu	Phe	Asp	Asp	Glu	Ser	Asp	Pro	Phe	Glu	Val
				20					25					30
Leu	Lys	Ala	Ala	Glu	Asn	Lys	Lys	Lys	Glu	Ala	Gly	Gly	Gly	Gly
				35					40					45
Val	Gly	Gly	Pro	Gly	Ala	Lys	Ser	Ala	Ala	Gln	Ala	Ala	Ala	Gln
				50					55					60
Thr	Asn	Ser	Asn	Ala	Ala	Gly	Lys	Gln	Leu	Arg	Lys	Glu	Ser	Gln
				65					70					75
Lys	Asp	Arg	Lys	Asn	Pro	Leu	Pro	Pro	Ser	Val	Gly	Val	Val	Asp
				80					85					90
Lys	Lys	Glu	Glu	Thr	Gln	Pro	Pro	Val	Ala	Leu	Lys	Lys	Glu	Gly
				95					100					105
Ile	Arg	Arg	Val	Gly	Arg	Arg	Pro	Asp	Gln	Gln	Leu	Gln	Gly	Glu

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	110		115		120
Gly Lys Ile Ile	Asp Arg Arg Pro Glu	Arg Arg Pro Pro Arg	Glu		
	125		130		135
Arg Arg Phe Glu	Lys Pro Leu Glu Glu	Lys Gly Glu Gly Gly	Glu		
	140		145		150
Phe Ser Val Asp	Arg Pro Ile Ile Asp	Arg Pro Ile Arg Gly	Arg		
	155		160		165
Gly Gly Leu Gly	Arg Gly Arg Gly Gly	Arg Gly Arg Gly Met	Gly		
	170		175		180
Arg Gly Asp Gly	Phe Asp Ser Arg Gly	Lys Arg Glu Phe Asp	Arg		
	185		190		195
His Ser Gly Ser	Asp Arg Ser Ser Phe	Ser His Tyr Ser Gly	Leu		
	200		205		210
Lys His Glu Asp	Lys Arg Gly Gly Ser	Gly Ser His Asn Trp	Gly		
	215		220		225
Thr Val Lys Asp	Glu Leu Thr Glu Ser	Pro Lys Tyr Ile Gln	Lys		
	230		235		240
Gln Ile Ser Tyr	Asn Tyr Ser Asp Leu	Asp Gln Ser Asn Val	Thr		
	245		250		255
Glu Glu Thr Pro	Glu Gly Glu Glu His	His Pro Val Ala Asp	Thr		
	260		265		270
Glu Asn Lys Glu	Asn Glu Val Glu Glu	Val Lys Glu Glu Gly	Pro		
	275		280		285
Lys Glu Met Thr	Leu Asp Glu Trp Lys	Ala Ile Gln Asn Lys	Asp		
	290		295		300
Arg Ala Lys Val	Glu Phe Asn Ile Arg	Lys Pro Asn Glu Gly	Ala		
	305		310		315
Asp Gly Gln Trp	Lys Lys Gly Phe Val	Leu His Lys Ser Lys	Ser		
	320		325		330
Glu Glu Ala His	Ala Glu Asp Ser Val	Met Asp His His Phe	Arg		
	335		340		345
Lys Pro Ala Asn	Asp Ile Thr Ser Gln	Leu Glu Ile Asn Phe	Gly		
	350		355		360
Asp Leu Gly Arg	Pro Gly Arg Gly Gly	Arg Gly Gly Arg Gly	Gly		
	365		370		375
Arg Gly Arg Gly	Gly Arg Pro Asn Arg	Gly Ser Arg Thr Asp	Lys		
	380		385		390
Ser Ser Ala Ser	Ala Pro Asp Val Asp	Asp Pro Glu Ala Phe	Pro		
	395		400		405
Ala Leu Ala					

<210> 27
<211> 810
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1484257CD1

<400> 27
Met Asp Phe Pro Gln His Ser Gln His Val Leu Glu Gln Leu Asn
1 5 10 15

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Gln	Gln	Arg	Gln	Leu	Gly	Leu	Leu	Cys	Asp	Cys	Thr	Phe	Val	Val	
				20					25					30	
Asp	Gly	Val	His	Phe	Lys	Ala	His	Lys	Ala	Val	Leu	Ala	Ala	Cys	
				35					40					45	
Ser	Glu	Tyr	Phe	Lys	Met	Leu	Phe	Val	Asp	Gln	Lys	Asp	Val	Val	
				50					55					60	
His	Leu	Asp	Ile	Ser	Asn	Ala	Ala	Gly	Leu	Gly	Gln	Val	Leu	Glu	
				65					70					75	
Phe	Met	Tyr	Thr	Ala	Lys	Leu	Ser	Leu	Ser	Pro	Glu	Asn	Val	Asp	
				80					85					90	
Asp	Val	Leu	Ala	Val	Ala	Thr	Phe	Leu	Gln	Met	Gln	Asp	Ile	Ile	
				95					100					105	
Thr	Ala	Cys	His	Ala	Leu	Lys	Ser	Leu	Ala	Glu	Pro	Ala	Thr	Ser	
				110					115					120	
Pro	Gly	Gly	Asn	Ala	Glu	Ala	Leu	Ala	Gln	Lys	Val	Cys	Pro	Val	
				125					130					135	
Pro	Ser	Pro	Gly	Gly	Asp	Lys	Arg	Ala	Lys	Glu	Glu	Lys	Val	Ala	
				140					145					150	
Thr	Ser	Thr	Leu	Ser	Arg	Leu	Glu	Gln	Ala	Gly	Arg	Ser	Thr	Pro	
				155					160					165	
Ile	Gly	Pro	Ser	Arg	Asp	Leu	Lys	Glu	Glu	Arg	Gly	Gly	Gln	Ala	
				170					175					180	
Gln	Ser	Ala	Ala	Ser	Gly	Ala	Glu	Gln	Thr	Glu	Lys	Ala	Asp	Ala	
				185					190					195	
Pro	Arg	Glu	Pro	Pro	Pro	Val	Glu	Leu	Lys	Pro	Asp	Pro	Thr	Ser	
				200					205					210	
Gly	Met	Ala	Ala	Ala	Glu	Ala	Glu	Ala	Ala	Leu	Ser	Glu	Ser	Ser	
				215					220					225	
Glu	Gln	Glu	Met	Glu	Val	Glu	Pro	Ala	Arg	Lys	Gly	Glu	Glu	Glu	
				230					235					240	
Gln	Lys	Glu	Gln	Glu	Glu	Gln	Glu	Glu	Glu	Gly	Ala	Gly	Pro	Ala	
				245					250					255	
Glu	Val	Lys	Glu	Glu	Gly	Ser	Gln	Leu	Glu	Asn	Gly	Glu	Ala	Pro	
				260					265					270	
Glu	Glu	Asn	Glu	Asn	Glu	Glu	Ser	Ala	Gly	Thr	Asp	Ser	Gly	Gln	
				275					280					285	
Glu	Leu	Gly	Ser	Glu	Ala	Arg	Gly	Leu	Arg	Ser	Gly	Thr	Tyr	Gly	
				290					295					300	
Asp	Arg	Thr	Glu	Ser	Lys	Ala	Tyr	Gly	Ser	Val	Ile	His	Lys	Cys	
				305					310					315	
Glu	Asp	Cys	Gly	Lys	Glu	Phe	Thr	His	Thr	Gly	Asn	Phe	Lys	Arg	
				320					325					330	
His	Ile	Arg	Ile	His	Thr	Gly	Glu	Lys	Pro	Phe	Ser	Cys	Arg	Glu	
				335					340					345	
Cys	Ser	Lys	Ala	Phe	Ser	Asp	Pro	Ala	Ala	Cys	Glu	Ala	His	Glu	
				350					355					360	
Lys	Thr	His	Ser	Pro	Leu	Lys	Pro	Tyr	Gly	Cys	Glu	Glu	Cys	Gly	
				365					370					375	
Lys	Ser	Tyr	Arg	Leu	Ile	Ser	Leu	Leu	Asn	Leu	His	Lys	Lys	Arg	
				380					385					390	
His	Ser	Gly	Glu	Ala	Arg	Tyr	Arg	Cys	Glu	Asp	Cys	Gly	Lys	Leu	
				395					400					405	
Phe	Thr	Thr	Ser	Gly	Asn	Leu	Lys	Arg	His	Gln	Leu	Val	His	Ser	
				410					415					420	

Gly Glu Lys Pro Tyr Gln Cys Asp Tyr Cys Gly Arg Ser Phe Ser	425	430	435
Asp Pro Thr Ser Lys Met Arg His Leu Glu Thr His Asp Thr Asp	440	445	450
Lys Glu His Lys Cys Pro His Cys Asp Lys Lys Phe Asn Gln Val	455	460	465
Gly Asn Leu Lys Ala His Leu Lys Ile His Ile Ala Asp Gly Pro	470	475	480
Leu Lys Cys Arg Glu Cys Gly Lys Gln Phe Thr Thr Ser Gly Asn	485	490	495
Leu Lys Arg His Leu Arg Ile His Ser Gly Glu Lys Pro Tyr Val	500	505	510
Cys Ile His Cys Gln Arg Gln Phe Ala Asp Pro Gly Ala Leu Gln	515	520	525
Arg His Val Arg Ile His Thr Gly Glu Lys Pro Cys Gln Cys Val	530	535	540
Met Cys Gly Lys Ala Phe Thr Gln Ala Ser Ser Leu Ile Ala His	545	550	555
Val Arg Gln His Thr Gly Glu Lys Pro Tyr Val Cys Glu Arg Cys	560	565	570
Gly Lys Arg Phe Val Gln Ser Ser Gln Leu Ala Asn His Ile Arg	575	580	585
His His Asp Asn Ile Arg Pro His Lys Cys Ser Val Cys Ser Lys	590	595	600
Ala Phe Val Asn Val Gly Asp Leu Ser Lys His Ile Ile Ile His	605	610	615
Thr Gly Glu Lys Pro Tyr Leu Cys Asp Lys Cys Gly Arg Gly Phe	620	625	630
Asn Arg Val Asp Asn Leu Arg Ser His Val Lys Thr Val His Gln	635	640	645
Gly Lys Ala Gly Ile Lys Ile Leu Glu Pro Glu Glu Gly Ser Glu	650	655	660
Val Ser Val Val Thr Val Asp Asp Met Val Thr Leu Ala Thr Glu	665	670	675
Ala Leu Ala Ala Thr Ala Val Thr Gln Leu Thr Val Val Pro Val	680	685	690
Gly Ala Ala Val Thr Ala Asp Glu Thr Glu Val Leu Lys Ala Glu	695	700	705
Ile Ser Lys Ala Val Lys Gln Val Gln Glu Glu Asp Pro Asn Thr	710	715	720
His Ile Leu Tyr Ala Cys Asp Ser Cys Gly Asp Lys Phe Leu Asp	725	730	735
Ala Asn Ser Leu Ala Gln His Val Arg Ile His Thr Ala Gln Ala	740	745	750
Leu Val Met Phe Gln Thr Asp Ala Asp Phe Tyr Gln Gln Tyr Gly	755	760	765
Pro Gly Gly Thr Trp Pro Ala Gly Gln Val Leu Gln Ala Gly Glu	770	775	780
Leu Val Phe Arg Pro Arg Asp Gly Ala Glu Gly Gln Pro Ala Leu	785	790	795
Ala Glu Thr Ser Pro Thr Ala Pro Glu Cys Pro Pro Pro Ala Glu	800	805	810

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<210> 28

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1732368CD1

<400> 28

Met	Asp	Trp	Ser	Glu	Val	Lys	Glu	Glu	Lys	Asp	Asn	Leu	Glu	Ile
1				5					10					15
Lys	Gln	Glu	Glu	Lys	Phe	Val	Gly	Gln	Cys	Ile	Lys	Glu	Glu	Leu
				20					25					30
Met	His	Gly	Glu	Cys	Val	Lys	Glu	Glu	Lys	Asp	Phe	Leu	Lys	Lys
				35					40					45
Glu	Ile	Val	Asp	Asp	Thr	Lys	Val	Lys	Glu	Glu	Pro	Pro	Ile	Asn
				50					55					60
His	Pro	Val	Gly	Cys	Lys	Arg	Lys	Leu	Ala	Met	Ser	Arg	Cys	Glu
				65					70					75
Thr	Cys	Gly	Thr	Glu	Glu	Ala	Lys	Tyr	Arg	Cys	Pro	Arg	Cys	Met
				80					85					90
Arg	Tyr	Ser	Cys	Ser	Leu	Pro	Cys	Val	Lys	Lys	His	Lys	Ala	Glu
				95					100					105
Leu	Thr	Cys	Asn	Gly	Val	Arg	Asp	Lys	Thr	Ala	Tyr	Ile	Ser	Ile
				110					115					120
Gln	Gln	Phe	Thr	Glu	Met	Asn	Leu	Leu	Ser	Asp	Tyr	Arg	Phe	Leu
				125					130					135
Glu	Asp	Val	Ala	Arg	Thr	Ala	Asp	His	Ile	Ser	Arg	Asp	Ala	Phe
				140					145					150
Leu	Lys	Arg	Pro	Ile	Ser	Asn	Lys	Tyr	Met	Tyr	Phe	Met	Lys	Asn
				155					160					165
Arg	Ala	Arg	Arg	Gln	Gly	Ile	Asn	Leu	Lys	Leu	Leu	Pro	Asn	Gly
				170					175					180
Phe	Thr	Lys	Arg	Lys	Glu	Asn	Ser	Thr	Phe	Phe	Asp	Lys	Lys	Lys
				185					190					195
Gln	Gln	Phe	Cys	Trp	His	Val	Lys	Leu	Gln	Phe	Pro	Gln	Ser	Gln
				200					205					210
Ala	Glu	Tyr	Ile	Glu	Lys	Arg	Val	Pro	Asp	Asp	Lys	Thr	Ile	Asn
				215					220					225
Glu	Ile	Leu	Lys	Pro	Tyr	Ile	Asp	Pro	Glu	Lys	Ser	Asp	Pro	Val
				230					235					240
Ile	Arg	Gln	Arg	Leu	Lys	Ala	Tyr	Ile	Arg	Ser	Gln	Thr	Gly	Val
				245					250					255
Gln	Ile	Leu	Met	Lys	Ile	Glu	Tyr	Met	Gln	Gln	Asn	Leu	Val	Arg
				260					265					270
Tyr	Tyr	Glu	Leu	Asp	Pro	Tyr	Lys	Ser	Leu	Leu	Asp	Asn	Leu	Arg
				275					280					285
Asn	Lys	Val	Ile	Ile	Glu	Tyr	Pro	Thr	Leu	His	Val	Val	Leu	Lys
				290					295					300
Gly	Ser	Asn	Asn	Asp	Met	Lys	Val	Leu	His	Gln	Val	Lys	Ser	Glu
				305					310					315
Ser	Thr	Lys	Asn	Val	Gly	Asn	Glu	Asn						
				320										

PF-0509 USN

<210> 29
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1870914CD1

<400> 29
Met Glu Glu Val Pro His Asp Cys Pro Gly Ala Asp Ser Ala Gln
1 5 10 15
Ala Gly Arg Gly Ala Ser Cys Gln Gly Cys Pro Asn Gln Arg Leu
20 25 30
Cys Ala Ser Gly Ala Gly Ala Thr Pro Asp Thr Ala Ile Glu Glu
35 40 45
Ile Lys Glu Lys Met Lys Thr Val Lys His Lys Ile Leu Val Leu
50 55 60
Ser Gly Lys Gly Gly Val Gly Lys Ser Thr Phe Ser Ala His Leu
65 70 75
Ala His Gly Leu Ala Glu Asp Glu Asn Thr Gln Ile Ala Leu Leu
80 85 90
Asp Ile Asp Ile Cys Gly Pro Ser Ile Pro Lys Ile Met Gly Leu
95 100 105
Glu Gly Glu Gln Val His Gln Ser Gly Ser Gly Trp Ser Pro Val
110 115 120
Tyr Val Glu Asp Asn Leu Gly Val Met Ser Val Gly Phe Leu Leu
125 130 135
Ser Ser Pro Asp Asp Ala Val Ile Trp Arg Gly Pro Lys Lys Asn
140 145 150
Gly Met Ile Lys Gln Phe Leu Arg Asp Val Asp Trp Gly Glu Val
155 160 165
Asp Tyr Leu Ile Val Asp Thr Pro Pro Gly Thr Ser Asp Glu His
170 175 180
Leu Ser Val Val Arg His Leu Ala Thr Ala His Ile Asp Gly Ala
185 190 195
Val Ile Ile Thr Thr Pro Gln Glu Val Ser Leu Gln Asp Val Arg
200 205 210
Lys Glu Ile Asn Phe Cys Arg Lys Val Lys Leu Pro Ile Ile Gly
215 220 225
Val Val Glu Asn Met Ser Gly Phe Ile Cys Pro Lys Cys Lys Lys
230 235 240
Glu Ser Gln Ile Phe Pro Pro Thr Thr Gly Gly Ala Glu Leu Met
245 250 255
Cys Gln Asp Leu Glu Val Pro Leu Leu Gly Arg Val Pro Leu Asp
260 265 270
Pro Leu Ile Gly Ile Gln Glu Phe Cys Asn Leu His Gln Ser Lys
275 280 285
Glu Glu Asn Leu Ile Ser Ser
290

<210> 30
<211> 259
<212> PRT

PF-0509 USN

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1910984CD1

<400> 30

Met	Glu	Cys	His	Leu	Lys	Thr	His	Tyr	Lys	Met	Glu	Tyr	Lys	Cys
1				5					10					15
Arg	Ile	Cys	Gln	Thr	Val	Lys	Ala	Asn	Gln	Leu	Glu	Leu	Glu	Thr
				20					25					30
His	Thr	Arg	Glu	His	Arg	Leu	Gly	Asn	His	Tyr	Lys	Cys	Asp	Gln
				35					40					45
Cys	Gly	Tyr	Leu	Ser	Lys	Thr	Ala	Asn	Lys	Leu	Ile	Glu	His	Val
				50					55					60
Arg	Val	His	Thr	Gly	Glu	Arg	Pro	Phe	His	Cys	Asp	Gln	Cys	Ser
				65					70					75
Tyr	Ser	Cys	Thr	Gly	Lys	Asp	Asn	Leu	Asn	Leu	His	Lys	Lys	Leu
				80					85					90
Lys	His	Ala	Pro	Arg	Gln	Thr	Phe	Ser	Cys	Glu	Glu	Cys	Leu	Phe
				95					100					105
Lys	Thr	Thr	His	Pro	Phe	Val	Phe	Ser	Arg	His	Val	Lys	Lys	His
				110					115					120
Gln	Ser	Gly	Asp	Cys	Pro	Glu	Glu	Asp	Lys	Lys	Gly	Leu	Cys	Pro
				125					130					135
Ala	Pro	Lys	Glu	Pro	Ala	Gly	Pro	Gly	Ala	Pro	Leu	Leu	Val	Val
				140					145					150
Gly	Ser	Ser	Arg	Asn	Leu	Leu	Ser	Pro	Leu	Ser	Val	Met	Ser	Ala
				155					160					165
Ser	Gln	Ala	Leu	Gln	Thr	Val	Ala	Leu	Ser	Ala	Ala	His	Gly	Ser
				170					175					180
Ser	Ser	Glu	Pro	Asn	Leu	Ala	Leu	Lys	Ala	Leu	Ala	Phe	Asn	Gly
				185					190					195
Ser	Pro	Leu	Arg	Phe	Asp	Lys	Tyr	Arg	Asn	Ser	Asp	Phe	Ala	His
				200					205					210
Leu	Ile	Pro	Leu	Thr	Met	Leu	Tyr	Pro	Lys	Asn	His	Leu	Asp	Leu
				215					220					225
Thr	Phe	His	Pro	Pro	Arg	Pro	Gln	Thr	Ala	Pro	Pro	Ser	Ile	Pro
				230					235					240
Ser	Pro	Lys	His	Ser	Phe	Leu	Ala	Tyr	Leu	Gly	Leu	Arg	Glu	Arg
				245					250					255

Ala Glu Thr Val

<210> 31

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1943040CD1

<400> 31

PF-0509 USN

Met	Glu	His	His	Ser	Ser	His	Gly	Gly	Arg	Lys	Arg	Tyr	Ala	Cys	
1				5					10					15	
Gln	Gly	Cys	Trp	Lys	Thr	Phe	His	Phe	Ser	Leu	Ala	Leu	Ala	Glu	
				20					25					30	
His	Gln	Lys	Thr	His	Glu	Lys	Glu	Lys	Ser	Tyr	Ala	Leu	Gly	Gly	
				35					40					45	
Ala	Arg	Gly	Pro	Gln	Pro	Ser	Thr	Arg	Glu	Pro	Arg	Arg	Gly	Leu	
				50					55					60	
Gly	Arg	Ala	Val	Pro	Gln	Arg	Ala	Trp	Arg	Ala	Arg	Leu	Pro	Pro	
				65					70					75	
His	Pro	Gln	Arg	Arg	Arg	Gly	Glu	Pro	Leu	Cys	Cys	Pro	Val	Pro	
				80					85					90	
Glu	Gly	Pro	Leu	Cys	Arg	Pro									
				95											

<210> 32

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2076520CD1

<400> 32

Met	Ile	Glu	Pro	Asp	Gln	Cys	Phe	Cys	Arg	Phe	Asp	Leu	Thr	Gly	
1				5					10					15	
Thr	Cys	Asn	Asp	Asp	Asp	Cys	Gln	Trp	Gln	His	Ile	Gln	Asp	Tyr	
				20					25					30	
Thr	Leu	Ser	Arg	Lys	Gln	Leu	Phe	Gln	Asp	Ile	Leu	Ser	Tyr	Asn	
				35					40					45	
Leu	Ser	Leu	Ile	Gly	Cys	Ala	Glu	Thr	Ser	Thr	Asn	Glu	Glu	Ile	
				50					55					60	
Thr	Ala	Ser	Ala	Glu	Lys	Tyr	Val	Glu	Lys	Leu	Phe	Gly	Val	Asn	
				65					70					75	
Lys	Asp	Arg	Met	Ser	Met	Asp	Gln	Met	Ala	Val	Leu	Leu	Val	Ser	
				80					85					90	
Asn	Ile	Asn	Glu	Ser	Lys	Gly	His	Thr	Pro	Pro	Phe	Thr	Thr	Tyr	
				95					100					105	
Lys	Asp	Lys	Arg	Lys	Trp	Lys	Pro	Lys	Phe	Trp	Arg	Lys	Pro	Ile	
				110					115					120	
Ser	Asp	Asn	Ser	Phe	Ser	Ser	Asp	Glu	Glu	Gln	Ser	Thr	Gly	Pro	
				125					130					135	
Ile	Lys	Tyr	Ala	Phe	Gln	Pro	Glu	Asn	Gln	Ile	Asn	Val	Pro	Ala	
				140					145					150	
Leu	Asp	Thr	Val	Val	Thr	Pro	Asp	Asp	Val	Arg	Tyr	Phe	Thr	Asn	
				155					160					165	
Glu	Thr	Asp	Asp	Ile	Ala	Asn	Leu	Glu	Ala	Ser	Val	Leu	Glu	Asn	
				170					175					180	
Pro	Ser	His	Val	Gln	Leu	Trp	Leu	Lys	Leu	Ala	Tyr	Lys	Tyr	Leu	
				185					190					195	
Asn	Gln	Asn	Glu	Gly	Glu	Cys	Ser	Glu	Ser	Leu	Asp	Ser	Ala	Leu	
				200					205					210	
Asn	Val	Leu	Ala	Arg	Ala	Leu	Glu	Asn	Asn	Lys	Asp	Asn	Pro	Glu	

	215		220		225
Ile Trp Cys His Tyr	Leu Arg Leu Phe	Ser Lys Arg Gly Thr	Lys		
	230		235		240
Asp Glu Val Gln Glu	Met Cys Glu Thr	Ala Val Glu Tyr Ala	Pro		
	245		250		255
Asp Tyr Gln Ser Phe	Trp Thr Phe Leu	His Leu Glu Ser Thr	Phe		
	260		265		270
Glu Glu Lys Asp Tyr	Val Cys Glu Arg	Met Leu Glu Phe Leu	Met		
	275		280		285
Gly Ala Ala Lys Gln	Glu Thr Ser Asn	Ile Leu Ser Phe Gln	Leu		
	290		295		300
Leu Glu Ala Leu Leu	Phe Arg Val Gln	Leu His Ile Phe Thr	Gly		
	305		310		315
Arg Cys Gln Ser Ala	Leu Ala Ile Leu	Gln Asn Ala Leu Lys	Ser		
	320		325		330
Ala Asn Asp Gly Ile	Val Ala Glu Tyr	Leu Lys Thr Ser Asp	Arg		
	335		340		345
Cys Leu Ala Trp Leu	Ala Tyr Ile His	Leu Ile Glu Phe Asn	Ile		
	350		355		360
Leu Pro Ser Lys Phe	Tyr Asp Pro Ser	Asn Asp Asn Pro Ser	Arg		
	365		370		375
Ile Val Asn Thr Glu	Ser Phe Val Met	Pro Trp Gln Ala Val	Gln		
	380		385		390
Asp Val Lys Thr Asn	Pro Asp Met Leu	Leu Ala Val Phe Glu	Asp		
	395		400		405
Ala Val Lys Ala Cys	Thr Asp Glu Ser	Leu Ala Val Glu Glu	Arg		
	410		415		420
Ile Glu Ala Cys Leu	Pro Leu Tyr Thr	Asn Met Ile Ala Leu	His		
	425		430		435
Gln Leu Leu Glu Arg	Tyr Glu Ala Ala	Met Glu Leu Cys Lys	Ser		
	440		445		450
Leu Leu Glu Ser Cys	Pro Ile Asn Cys	Gln Leu Leu Glu Ala	Leu		
	455		460		465
Val Ala Leu Tyr Leu	Gln Thr Asn Gln	His Asp Lys Ala Arg	Ala		
	470		475		480
Val Trp Leu Thr Ala	Phe Glu Lys Asn	Pro Gln Asn Ala Glu	Val		
	485		490		495
Phe Tyr His Met Cys	Lys Phe Phe Ile	Leu Gln Asn Arg Gly	Asp		
	500		505		510
Asn Leu Leu Pro Phe	Leu Arg Lys Phe	Ile Ala Ser Phe Phe	Lys		
	515		520		525
Pro Gly Phe Glu Lys	Tyr Asn Asn Leu	Asp Leu Phe Arg Tyr	Leu		
	530		535		540
Leu Asn Ile Pro Gly	Pro Ile Asp Ile	Pro Ser Arg Leu Cys	Lys		
	545		550		555
Gly Asn Phe Asp Asp	Asp Met Phe Asn	His Gln Val Pro Tyr	Leu		
	560		565		570
Trp Leu Ile Tyr Cys	Leu Cys His Pro	Leu Gln Ser Ser Ile	Lys		
	575		580		585
Glu Thr Val Glu Ala	Tyr Glu Ala Ala	Leu Gly Val Ala Met	Arg		
	590		595		600
Cys Asp Ile Val Gln	Lys Ile Trp Met	Asp Tyr Leu Val Phe	Ala		
	605		610		615
Asn Asn Arg Ala Ala	Gly Ser Arg Asn	Lys Val Gln Glu Phe	Arg		

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	620		625		630
Phe Phe Thr Asp	Leu Val Asn Arg Cys	Leu Val Thr Val Pro	Ala		
	635		640		645
Arg Tyr Pro Ile	Pro Phe Ser Ser Ala	Asp Tyr Trp Ser Asn	Tyr		
	650		655		660
Glu Phe His Asn	Arg Val Ile Phe Phe	Tyr Leu Ser Cys Val	Pro		
	665		670		675
Lys Thr Gln His	Ser Lys Thr Leu Glu	Arg Phe Cys Ser Val	Met		
	680		685		690
Pro Ala Asn Ser	Gly Leu Ala Leu Arg	Leu Leu Gln His Glu	Trp		
	695		700		705
Glu Glu Ser Asn	Val Gln Ile Leu Lys	Leu Gln Ala Lys Met	Phe		
	710		715		720
Thr Tyr Asn Ile	Pro Thr Cys Leu Ala	Thr Trp Lys Ile Ala	Ile		
	725		730		735
Ala Ala Glu Ile	Val Leu Lys Gly Gln	Arg Glu Val His Arg	Leu		
	740		745		750
Tyr Gln Arg Ala	Leu Gln Lys Leu Pro	Leu Cys Ala Ser Leu	Trp		
	755		760		765
Lys Asp Gln Leu	Leu Phe Glu Ala Ser	Glu Gly Gly Lys Thr	Asp		
	770		775		780
Asn Leu Arg Lys	Leu Val Ser Lys Cys	Gln Glu Ile Gly Val	Ser		
	785		790		795
Leu Asn Glu Leu	Leu Asn Leu Asn Ser	Asn Lys Thr Glu Ser	Lys		
	800		805		810
Asn His					

<210> 33

<211> 392

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2291241CD1

<400> 33

Met Asp Ala Leu Val	Glu Asp Asp Ile Cys	Ile Leu Asn His Glu		
1	5	10	15	
Lys Ala His Lys Arg	Asp Thr Val Thr Pro	Val Ser Ile Tyr Ser		
	20	25	30	
Gly Asp Glu Ser Val	Ala Ser His Phe Ala	Leu Val Thr Ala Tyr		
	35	40	45	
Glu Asp Ile Lys Lys	Arg Leu Lys Asp Ser	Glu Lys Glu Asn Ser		
	50	55	60	
Leu Leu Lys Lys Arg	Ile Arg Phe Leu Glu	Glu Lys Leu Ile Ala		
	65	70	75	
Arg Phe Glu Glu Glu	Thr Ser Ser Val Gly	Arg Glu Gln Val Asn		
	80	85	90	
Lys Ala Tyr His Ala	Tyr Arg Glu Val Cys	Ile Asp Arg Asp Asn		
	95	100	105	
Leu Lys Ser Lys Leu	Asp Lys Met Asn Lys	Asp Asn Ser Glu Ser		
	110	115	120	

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Leu	Lys	Val	Leu	Asn	Glu	Gln	Leu	Gln	Ser	Lys	Glu	Val	Glu	Leu			
				125					130					135			
Leu	Gln	Leu	Arg	Thr	Glu	Val	Glu	Thr	Gln	Gln	Val	Met	Arg	Asn			
				140					145					150			
Leu	Asn	Pro	Pro	Ser	Ser	Asn	Trp	Glu	Val	Glu	Lys	Leu	Ser	Cys			
				155					160					165			
Asp	Leu	Lys	Ile	His	Gly	Leu	Glu	Gln	Glu	Leu	Glu	Leu	Met	Arg			
				170					175					180			
Lys	Glu	Cys	Ser	Asp	Leu	Lys	Ile	Glu	Leu	Gln	Lys	Ala	Lys	Gln			
				185					190					195			
Thr	Asp	Pro	Tyr	Gln	Glu	Asp	Asn	Leu	Lys	Ser	Arg	Asp	Leu	Gln			
				200					205					210			
Lys	Leu	Ser	Ile	Ser	Ser	Asp	Asn	Met	Gln	His	Ala	Tyr	Trp	Glu			
				215					220					225			
Leu	Lys	Arg	Glu	Met	Ser	Asn	Leu	His	Leu	Val	Thr	Gln	Val	Gln			
				230					235					240			
Ala	Glu	Leu	Leu	Arg	Lys	Leu	Lys	Thr	Ser	Thr	Ala	Ile	Lys	Lys			
				245					250					255			
Ala	Cys	Ala	Pro	Val	Gly	Cys	Ser	Glu	Asp	Leu	Gly	Arg	Asp	Ser			
				260					265					270			
Thr	Lys	Leu	His	Leu	Met	Asn	Phe	Thr	Ala	Thr	Tyr	Thr	Arg	His			
				275					280					285			
Pro	Pro	Leu	Leu	Pro	Asn	Gly	Lys	Ala	Leu	Cys	His	Thr	Thr	Ser			
				290					295					300			
Ser	Pro	Leu	Pro	Gly	Asp	Val	Lys	Val	Leu	Ser	Glu	Lys	Ala	Ile			
				305					310					315			
Leu	Gln	Ser	Trp	Thr	Asp	Asn	Glu	Arg	Ser	Ile	Pro	Asn	Asp	Gly			
				320					325					330			
Thr	Cys	Phe	Gln	Glu	His	Ser	Ser	Tyr	Gly	Arg	Asn	Ser	Leu	Glu			
				335					340					345			
Asp	Asn	Ser	Trp	Val	Phe	Pro	Ser	Pro	Pro	Lys	Ser	Ser	Glu	Thr			
				350					355					360			
Ala	Phe	Gly	Glu	Thr	Lys	Thr	Lys	Thr	Leu	Pro	Leu	Pro	Asn	Leu			
				365					370					375			
Pro	Pro	Leu	His	Tyr	Leu	Asp	Gln	His	Asn	Gln	Asn	Cys	Leu	Tyr			
				380					385					390			

Lys Asn

<210> 34

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2329692CD1

<400> 34

Met	Ile	Tyr	Phe	Phe	Ile	Ile	Ile	Val	Glu	Tyr	Phe	Tyr	Gly	Lys			
1				5					10					15			
Ile	Phe	Val	Val	Leu	Ile	Ile	Pro	Ile	Lys	Ile	Met	Pro	Asn	Thr			
				20					25					30			
Lys	Tyr	Glu	Phe	Tyr	Asp	Val	His	Phe	Val	Leu	Gly	Ile	Lys	Arg			

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				35					40					45
Lys	Lys	His	Thr	Ser	Trp	Lys	Ser	Val	Ser	Cys	Phe	Leu	Leu	Leu
				50					55					60

<210> 35

<211> 209

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2474110CD1

<400> 35

Met	Asp	Pro	Ser	Asp	Ile	Tyr	Ala	Val	Ile	Gln	Ile	Pro	Gly	Ser
1				5					10					15
Arg	Glu	Phe	Asp	Val	Ser	Phe	Arg	Ser	Ala	Glu	Lys	Leu	Ala	Leu
				20					25					30
Phe	Leu	Arg	Val	Tyr	Glu	Glu	Lys	Arg	Glu	Gln	Glu	Asp	Cys	Trp
				35					40					45
Glu	Asn	Phe	Val	Val	Leu	Gly	Arg	Ser	Lys	Ser	Ser	Leu	Lys	Thr
				50					55					60
Leu	Phe	Ile	Leu	Phe	Arg	Asn	Glu	Thr	Val	Asp	Val	Glu	Asp	Ile
				65					70					75
Val	Thr	Trp	Leu	Lys	Arg	His	Cys	Asp	Val	Leu	Ala	Val	Pro	Val
				80					85					90
Lys	Val	Thr	Asp	Arg	Phe	Gly	Ile	Trp	Thr	Gly	Glu	Tyr	Lys	Cys
				95					100					105
Glu	Ile	Glu	Leu	Arg	Gln	Gly	Glu	Gly	Gly	Val	Arg	His	Leu	Pro
				110					115					120
Gly	Ala	Phe	Phe	Leu	Gly	Ala	Glu	Arg	Gly	Tyr	Ser	Trp	Tyr	Lys
				125					130					135
Gly	Gln	Pro	Lys	Thr	Cys	Phe	Lys	Cys	Gly	Ser	Arg	Thr	His	Met
				140					145					150
Ser	Gly	Ser	Cys	Thr	Gln	Asp	Arg	Cys	Phe	Arg	Cys	Arg	Glu	Glu
				155					160					165
Gly	His	Leu	Ser	Pro	Tyr	Cys	Arg	Lys	Gly	Ile	Val	Cys	Asn	Leu
				170					175					180
Cys	Gly	Lys	Arg	Gly	His	Ala	Phe	Ala	Gln	Cys	Pro	Lys	Ala	Val
				185					190					195
His	Asn	Ser	Val	Ala	Ala	Gln	Leu	Thr	Gly	Val	Ala	Gly	His	
				200					205					

<210> 36

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2495790CD1

<400> 36

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Met	Val	Gly	Ala	Gly	Ile	Ser	Thr	Pro	Ser	Gly	Ile	Pro	Asp	Phe
1				5					10					15
Arg	Ser	Pro	Gly	Ser	Gly	Leu	Tyr	Ser	Asn	Leu	Gln	Gln	Tyr	Asp
				20					25					30
Leu	Pro	Tyr	Pro	Glu	Ala	Ile	Phe	Glu	Leu	Pro	Phe	Phe	Phe	His
				35					40					45
Asn	Pro	Lys	Pro	Phe	Phe	Thr	Leu	Ala	Lys	Glu	Leu	Tyr	Pro	Gly
				50					55					60
Asn	Tyr	Lys	Pro	Asn	Val	Thr	His	Tyr	Phe	Leu	Arg	Leu	Leu	His
				65					70					75
Asp	Lys	Gly	Leu	Leu	Leu	Arg	Leu	Tyr	Thr	Gln	Asn	Ile	Asp	Gly
				80					85					90
Leu	Glu	Arg	Val	Ser	Gly	Ile	Pro	Ala	Ser	Lys	Leu	Val	Glu	Ala
				95					100					105
His	Gly	Thr	Phe	Ala	Ser	Ala	Thr	Cys	Thr	Val	Cys	Gln	Arg	Pro
				110					115					120
Phe	Pro	Gly	Glu	Asp	Ile	Arg	Ala	Asp	Val	Met	Ala	Asp	Arg	Val
				125					130					135
Pro	Arg	Cys	Pro	Val	Cys	Thr	Gly	Val	Val	Lys	Pro	Asp	Ile	Val
				140					145					150
Phe	Phe	Gly	Glu	Pro	Leu	Pro	Gln	Arg	Phe	Leu	Leu	His	Val	Val
				155					160					165
Asp	Phe	Pro	Met	Ala	Asp	Leu	Leu	Leu	Ile	Leu	Gly	Thr	Ser	Leu
				170					175					180
Glu	Val	Glu	Pro	Phe	Ala	Ser	Leu	Thr	Glu	Ala	Val	Arg	Ser	Ser
				185					190					195
Val	Pro	Arg	Leu	Leu	Ile	Asn	Arg	Asp	Leu	Val	Gly	Pro	Leu	Ala
				200					205					210
Trp	His	Pro	Arg	Ser	Arg	Asp	Val	Ala	Gln	Leu	Gly	Asp	Val	Val
				215					220					225
His	Gly	Val	Glu	Ser	Leu	Val	Glu	Leu	Leu	Gly	Trp	Thr	Glu	Glu
				230					235					240
Met	Arg	Asp	Leu	Val	Gln	Arg	Glu	Thr	Gly	Lys	Leu	Asp	Gly	Pro
				245					250					255

Asp Lys

<210> 37

<211> 138

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2661254CD1

<400> 37

Met	Ala	Thr	Lys	Arg	Leu	Phe	Gly	Ala	Thr	Arg	Thr	Trp	Ala	Gly
1				5					10					15
Trp	Gly	Ala	Trp	Glu	Leu	Leu	Asn	Pro	Ala	Thr	Ser	Gly	Arg	Leu
				20					25					30
Leu	Ala	Arg	Asp	Tyr	Ala	Lys	Lys	Pro	Val	Met	Lys	Gly	Ala	Lys
				35					40					45
Ser	Gly	Lys	Gly	Ala	Val	Thr	Ser	Glu	Ala	Leu	Lys	Asp	Pro	Asp

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50	55	60
Val Cys Thr Asp Pro Val Gln Leu Thr Thr Tyr Ala Met Gly Val		
65	70	75
Asn Ile Tyr Lys Glu Gly Gln Asp Val Pro Leu Lys Pro Asp Ala		
80	85	90
Glu Tyr Pro Glu Trp Leu Phe Glu Met Asn Leu Gly Pro Pro Lys		
95	100	105
Thr Leu Glu Glu Leu Asp Pro Glu Ser Arg Glu Tyr Trp Arg Arg		
110	115	120
Leu Arg Lys Gln Asn Ile Trp Arg His Asn Arg Leu Ser Lys Asn		
125	130	135
Lys Arg Leu		

<210> 38

<211> 999

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2674047CD1

<220>

<221> unsure

<222> 12, 57

<223> unknown or other

<400> 38

Met Gly Pro Ser Arg Leu Arg Leu Gly Phe Phe Xaa Lys Arg Gly		
1	5	10
Cys Ser Arg Ala Met Val Glu Ile Glu Leu Phe Arg Ala Ser Gly		
20	25	30
Asn Leu Val Ile Thr Arg Glu Ile Asp Val Ala Lys Asn Gln Ser		
35	40	45
Phe Trp Phe Ile Asn Lys Lys Ser Thr Thr Gln Xaa Ile Val Glu		
50	55	60
Glu Lys Val Ala Ala Leu Asn Ile Gln Val Gly Asn Leu Cys Gln		
65	70	75
Phe Leu Pro Gln Asp Lys Val Gly Glu Phe Ala Lys Leu Ser Lys		
80	85	90
Ile Glu Leu Leu Glu Ala Thr Glu Lys Ser Ile Gly Pro Pro Glu		
95	100	105
Met His Lys Tyr His Cys Glu Leu Lys Asn Leu Arg Glu Lys Glu		
110	115	120
Lys Gln Leu Glu Thr Ser Cys Lys Glu Lys Thr Glu Tyr Leu Gln		
125	130	135
Lys Met Val Gln Arg Asn Glu Arg Tyr Lys Gln Asp Val Glu Arg		
140	145	150
Phe Tyr Glu Arg Lys Arg His Leu Asp Leu Ile Glu Met Leu Glu		
155	160	165
Ala Lys Arg Pro Trp Val Glu Tyr Glu Asn Val Arg Gln Glu Tyr		
170	175	180
Glu Glu Val Lys Leu Val Arg Asp Arg Val Lys Glu Glu Val Arg		

	185	190	195
Lys Leu Lys Glu Gly Gln Ile Pro Ile Thr Cys Arg Ile Glu Glu			
	200	205	210
Met Glu Asn Glu Arg His Asn Leu Glu Ala Arg Ile Lys Glu Lys			
	215	220	225
Ala Thr Asp Ile Lys Glu Ala Ser Gln Lys Cys Lys Gln Lys Gln			
	230	235	240
Asp Val Ile Glu Arg Lys Asp Lys His Ile Glu Glu Leu Gln Gln			
	245	250	255
Ala Leu Ile Val Lys Gln Asn Glu Glu Leu Asp Arg Gln Arg Arg			
	260	265	270
Ile Gly Asn Thr Arg Lys Met Ile Glu Asp Leu Gln Asn Glu Leu			
	275	280	285
Lys Thr Thr Glu Asn Cys Glu Asn Leu Gln Pro Gln Ile Asp Ala			
	290	295	300
Ile Thr Asn Asp Leu Arg Arg Ile Gln Asp Glu Lys Ala Leu Cys			
	305	310	315
Glu Gly Glu Ile Ile Asp Lys Arg Arg Glu Arg Glu Thr Leu Glu			
	320	325	330
Lys Glu Lys Lys Ser Val Asp Asp His Ile Val Arg Phe Asp Asn			
	335	340	345
Leu Met Asn Gln Lys Glu Asp Lys Leu Arg Gln Arg Phe Arg Asp			
	350	355	360
Thr Tyr Asp Ala Val Leu Trp Leu Arg Asn Asn Arg Asp Lys Phe			
	365	370	375
Lys Gln Arg Val Cys Glu Pro Ile Met Leu Thr Ile Asn Met Lys			
	380	385	390
Asp Asn Lys Asn Ala Lys Tyr Ile Glu Asn His Ile Pro Ser Asn			
	395	400	405
Asp Leu Arg Ala Phe Val Phe Glu Ser Gln Glu Asp Met Glu Val			
	410	415	420
Phe Leu Lys Glu Val Arg Asp Asn Lys Lys Leu Arg Val Asn Ala			
	425	430	435
Val Ile Ala Pro Lys Ser Ser Tyr Ala Asp Lys Ala Pro Ser Arg			
	440	445	450
Ser Leu Asn Glu Leu Lys Gln Tyr Gly Phe Phe Ser Tyr Leu Arg			
	455	460	465
Glu Leu Phe Asp Ala Pro Asp Pro Val Met Ser Tyr Leu Cys Cys			
	470	475	480
Gln Tyr His Ile His Glu Val Pro Val Gly Thr Glu Lys Thr Arg			
	485	490	495
Glu Arg Ile Glu Arg Val Ile Gln Glu Thr Arg Leu Lys Gln Ile			
	500	505	510
Tyr Thr Ala Glu Glu Lys Tyr Val Val Lys Thr Ser Phe Tyr Ser			
	515	520	525
Asn Lys Val Ile Ser Ser Asn Thr Ser Leu Lys Val Ala Gln Phe			
	530	535	540
Leu Thr Val Thr Val Asp Leu Glu Gln Arg Arg His Leu Glu Glu			
	545	550	555
Gln Leu Lys Glu Ile His Arg Lys Leu Gln Ala Val Asp Ser Gly			
	560	565	570
Leu Ile Ala Leu Arg Glu Thr Ser Lys His Leu Glu His Lys Asp			
	575	580	585
Asn Glu Leu Arg Gln Lys Lys Lys Glu Leu Leu Glu Arg Lys Thr			

	590		595		600
Lys Lys Arg Gln	Leu Glu Gln Lys Ile	Ser Ser Lys Leu Gly	Ser		
	605		610		615
Leu Lys Leu Met	Glu Gln Asp Thr Cys	Asn Leu Glu Glu Glu	Glu		
	620		625		630
Arg Lys Ala Ser	Thr Lys Ile Lys Glu	Ile Asn Val Gln Lys	Ala		
	635		640		645
Lys Leu Val Thr	Glu Leu Thr Asn Leu	Ile Lys Ile Cys Thr	Ser		
	650		655		660
Leu His Ile Gln	Lys Val Asp Leu Ile	Leu Gln Asn Thr Thr	Val		
	665		670		675
Ile Ser Glu Lys	Asn Lys Leu Glu Ser	Asp Tyr Met Ala Ala	Ser		
	680		685		690
Ser Gln Leu Arg	Leu Thr Glu Gln His	Phe Ile Glu Leu Asp	Glu		
	695		700		705
Asn Arg Gln Arg	Leu Leu Gln Lys Cys	Lys Glu Leu Met Lys	Arg		
	710		715		720
Ala Arg Gln Val	Cys Asn Leu Gly Ala	Glu Gln Thr Leu Pro	Gln		
	725		730		735
Glu Tyr Gln Thr	Gln Val Pro Thr Ile	Pro Asn Gly His Asn	Ser		
	740		745		750
Ser Leu Pro Met	Val Phe Gln Asp Leu	Pro Asn Thr Leu Asp	Glu		
	755		760		765
Ile Asp Ala Leu	Leu Thr Glu Glu Arg	Ser Arg Ala Ser Cys	Phe		
	770		775		780
Thr Gly Leu Asn	Pro Thr Ile Val Gln	Glu Tyr Thr Lys Arg	Glu		
	785		790		795
Glu Glu Ile Glu	Gln Leu Thr Glu Glu	Leu Lys Gly Lys Lys	Val		
	800		805		810
Glu Leu Asp Gln	Tyr Arg Glu Asn Ile	Ser Gln Val Lys Glu	Arg		
	815		820		825
Trp Leu Asn Pro	Leu Lys Glu Leu Val	Glu Lys Ile Asn Glu	Lys		
	830		835		840
Phe Ser Asn Phe	Phe Ser Ser Met Gln	Cys Ala Gly Glu Val	Asp		
	845		850		855
Leu His Thr Glu	Asn Glu Glu Asp Tyr	Asp Lys Tyr Gly Ile	Arg		
	860		865		870
Ile Arg Val Lys	Phe Arg Ser Ser Thr	Gln Leu His Glu Leu	Thr		
	875		880		885
Pro His His Gln	Ser Gly Gly Glu Arg	Ser Val Ser Thr Met	Leu		
	890		895		900
Tyr Leu Met Ala	Leu Gln Glu Leu Asn	Arg Cys Pro Phe Arg	Val		
	905		910		915
Val Asp Glu Ile	Asn Gln Gly Met Asp	Pro Ile Asn Glu Arg	Arg		
	920		925		930
Val Phe Glu Met	Val Val Asn Thr Ala	Cys Lys Glu Asn Thr	Ser		
	935		940		945
Gln Tyr Phe Phe	Ile Thr Pro Lys Leu	Leu Gln Asn Leu Pro	Tyr		
	950		955		960
Ser Glu Lys Met	Thr Val Leu Phe Val	Tyr Asn Gly Pro His	Met		
	965		970		975
Leu Glu Pro Asn	Thr Trp Asn Leu Lys	Ala Phe Gln Arg Arg	Arg		
	980		985		990
Arg Arg Ile Thr	Phe Thr Gln Pro Ser				

995

<210> 39

<211> 377

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2762174CD1

<400> 39

Met	Ala	Glu	Leu	Glu	Ser	His	Pro	Cys	Asp	Ile	Cys	Gly	Pro	Ile	1	5	10	15
Leu	Lys	Asp	Thr	Leu	His	Leu	Ala	Lys	Tyr	His	Gly	Gly	Lys	Ala	20	25	30	35
Arg	Gln	Lys	Pro	Tyr	Leu	Cys	Gly	Ala	Cys	Gly	Lys	Gln	Phe	Trp	40	45	50	55
Phe	Ser	Thr	Asp	Phe	Asp	Gln	His	Gln	Asn	Gln	Pro	Asn	Gly	Gly	60	65	70	75
Lys	Leu	Phe	Pro	Arg	Lys	Glu	Gly	Arg	Asp	Ser	Val	Lys	Ser	Cys	80	85	90	95
Arg	Val	His	Val	Pro	Glu	Lys	Thr	Leu	Thr	Cys	Gly	Lys	Gly	Arg	100	105	110	115
Arg	Asp	Phe	Ser	Ala	Thr	Ser	Gly	Leu	Leu	Gln	His	Gln	Ala	Ser	120	125	130	135
Leu	Ser	Ser	Met	Lys	Pro	His	Lys	Ser	Thr	Lys	Leu	Val	Ser	Gly	140	145	150	155
Phe	Leu	Met	Gly	Gln	Arg	Tyr	His	Arg	Cys	Gly	Glu	Cys	Gly	Lys	160	165	170	175
Ala	Phe	Thr	Arg	Lys	Asp	Thr	Leu	Ala	Arg	His	Gln	Arg	Ile	His	180	185	190	195
Thr	Gly	Glu	Arg	Pro	Tyr	Glu	Cys	Asn	Glu	Cys	Gly	Lys	Phe	Phe	200	205	210	215
Ser	Gln	Ser	Tyr	Asp	Leu	Phe	Lys	His	Gln	Thr	Val	His	Thr	Gly	220	225	230	235
Glu	Arg	Pro	Tyr	Glu	Cys	Ser	Glu	Cys	Gly	Lys	Phe	Phe	Arg	Gln	240	245	250	255
Ile	Ser	Gly	Leu	Ile	Glu	His	Arg	Arg	Val	His	Thr	Gly	Glu	Arg	260	265	270	275
Leu	Tyr	Gln	Cys	Gly	Lys	Cys	Gly	Lys	Phe	Phe	Ser	Ser	Lys	Ser	280	285	290	295
Asn	Leu	Ile	Arg	His	Gln	Glu	Val	His	Thr	Gly	Ala	Arg	Pro	Tyr	300	305	310	315
Val	Cys	Ser	Glu	Cys	Gly	Lys	Glu	Phe	Ser	Arg	Lys	His	Thr	Leu				
Val	Leu	His	Gln	Arg	Thr	His	Thr	Gly	Glu	Arg	Pro	Tyr	Glu	Cys				
Ser	Glu	Cys	Gly	Lys	Ala	Phe	Ser	Gln	Ser	Ser	His	Leu	Asn	Val				
His	Trp	Arg	Ile	His	Ser	Ser	Asp	Tyr	Glu	Cys	Ser	Arg	Cys	Gly				
Lys	Ala	Phe	Ser	Cys	Ile	Ser	Lys	Leu	Ile	Gln	His	Gln	Lys	Val				

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His	Ser	Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Ser	Lys	Cys	Gly	Lys	Ala
				320					325					330
Phe	Thr	Gln	Arg	Pro	Asn	Leu	Ile	Arg	His	Trp	Lys	Val	His	Thr
				335					340					345
Gly	Glu	Arg	Pro	Tyr	Val	Cys	Ser	Glu	Cys	Gly	Arg	Glu	Phe	Ile
				350					355					360
Arg	Lys	Gln	Thr	Leu	Val	Leu	His	Gln	Arg	Val	His	Ala	Gly	Glu
				365					370					375
Lys	Leu													

<210> 40

<211> 324

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2765991CD1

<400> 40

Met	Asp	Phe	Pro	Lys	His	Asn	Gln	Ile	Ile	Thr	Glu	Glu	Thr	Gly
1				5					10					15
Ser	Ala	Val	Glu	Pro	Ser	Asp	Glu	Ile	Lys	Arg	Ala	Ser	Gly	Asp
				20					25					30
Val	Gln	Thr	Met	Lys	Ile	Ser	Ser	Val	Pro	Asn	Ser	Leu	Ser	Lys
				35					40					45
Arg	Asn	Val	Ser	Leu	Thr	Arg	Ser	His	Ser	Val	Gly	Gly	Pro	Leu
				50					55					60
Gln	Asn	Ile	Asp	Phe	Thr	Gln	Arg	Pro	Phe	His	Gly	Ile	Ser	Thr
				65					70					75
Val	Ser	Leu	Pro	Gly	Ser	Leu	Gln	Glu	Val	Val	Asp	Pro	Leu	Gly
				80					85					90
Lys	Arg	Pro	Asn	Pro	Pro	Pro	Val	Ser	Val	Pro	Tyr	Leu	Ser	Pro
				95					100					105
Leu	Val	Leu	Arg	Lys	Glu	Leu	Glu	Ser	Leu	Leu	Glu	Asn	Glu	Gly
				110					115					120
Asp	Gln	Val	Ile	His	Thr	Ser	Ser	Phe	Ile	Asn	Gln	His	Pro	Ile
				125					130					135
Ile	Phe	Trp	Asn	Leu	Val	Trp	Tyr	Phe	Arg	Arg	Leu	Asp	Leu	Pro
				140					145					150
Ser	Asn	Leu	Pro	Gly	Leu	Ile	Leu	Thr	Ser	Glu	His	Cys	Asn	Glu
				155					160					165
Gly	Val	Gln	Leu	Pro	Leu	Ser	Ser	Leu	Ser	Gln	Asp	Ser	Lys	Leu
				170					175					180
Val	Tyr	Ile	Arg	Leu	Leu	Trp	Asp	Asn	Ile	Asn	Leu	His	Gln	Glu
				185					190					195
Pro	Arg	Glu	Pro	Leu	Tyr	Val	Ser	Trp	Arg	Asn	Phe	Asn	Ser	Glu
				200					205					210
Lys	Lys	Ser	Ser	Leu	Leu	Ser	Glu	Glu	Gln	Gln	Glu	Thr	Ser	Thr
				215					220					225
Leu	Val	Glu	Thr	Ile	Arg	Gln	Ser	Ile	Gln	His	Asn	Asn	Val	Leu
				230					235					240
Lys	Pro	Ile	Asn	Leu	Leu	Ser	Gln	Gln	Met	Lys	Pro	Gly	Met	Lys

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	245		250		255
Arg Gln Arg Ser	Leu Tyr Arg Glu Ile	Leu Phe Leu Ser Leu	Val		
	260		265		270
Ser Leu Gly Arg	Glu Asn Ile Asp Ile	Glu Ala Phe Asp Asn	Glu		
	275		280		285
Tyr Gly Ile Ala	Tyr Asn Ser Leu Ser	Ser Glu Ile Leu Glu	Arg		
	290		295		300
Leu Gln Lys Ile	Asp Ala Pro Pro Ser	Ala Ser Val Glu Trp	Cys		
	305		310		315
Arg Lys Cys Phe	Gly Ala Pro Leu Ile				
	320				

<210> 41

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2775157CD1

<400> 41

Met Pro Cys Pro Met	Leu Leu Pro Ser	Gly Lys Val Ile Asp	Gln		
1	5	10	15		
Ser Thr Leu Glu Lys	Cys Asn Arg Ser	Glu Ala Thr Trp Gly	Arg		
	20	25	30		
Val Pro Ser Asp Pro	Phe Thr Gly Val Ala	Phe Thr Pro His Ser			
	35	40	45		
Gln Pro Leu Pro His	Pro Ser Leu Lys Ala	Arg Ile Asp His Phe			
	50	55	60		
Leu Leu Gln His Ser	Ile Pro Gly Cys His	Leu Leu Gly Arg Ala			
	65	70	75		
Gln Thr Ala Leu Ala	Val Ile Pro Ser Ser	Ile Val Leu Pro Ser			
	80	85	90		
Gln Lys Arg Lys Ile	Glu Gln Ala Glu His	Val Pro Asp Ser Asn			
	95	100	105		
Phe Gly Val Asn Ala	Ser Cys Phe Ser Ala	Thr Ser Pro Leu Val			
	110	115	120		
Leu Pro Thr Thr Ser	Glu His Thr Ala Lys	Lys Met Lys Ala Thr			
	125	130	135		
Asn Glu Pro Ser Leu	Thr His Met Asp Cys	Ser Thr Gly Pro Leu			
	140	145	150		
Ser His Glu Gln Lys	Leu Ser Gln Ser Leu	Glu Ile Ala Leu Ala			
	155	160	165		
Ser Thr Leu Gly Ser	Met Pro Ser Phe Thr	Ala Arg Leu Thr Arg			
	170	175	180		
Gly Gln Leu Gln His	Leu Gly Thr Arg Gly	Ser Asn Thr Ser Trp			
	185	190	195		
Arg Pro Gly Thr Gly	Ser Glu Gln Pro Gly	Ser Ile Leu Gly Pro			
	200	205	210		
Glu Cys Ala Ser Cys	Lys Arg Val Phe Ser	Pro Tyr Phe Lys Lys			
	215	220	225		
Glu Pro Val Tyr Gln	Leu Pro Cys Gly His	Leu Leu Cys Arg Pro			
	230	235	240		

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Cys	Leu	Gly	Glu	Lys	Gln	Arg	Ser	Leu	Pro	Met	Thr	Cys	Thr	Ala
				245					250					255
Cys	Gln	Arg	Pro	Val	Ala	Ser	Gln	Asp	Val	Leu	Arg	Val	His	Phe
				260					265					270

<210> 42
<211> 252
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2918375CD1

<400> 42

Met	Leu	Arg	Lys	Gly	Ile	Cys	Glu	Tyr	His	Glu	Lys	Asn	Tyr	Ala
1				5					10					15
Ala	Ala	Leu	Glu	Thr	Phe	Thr	Glu	Gly	Gln	Lys	Leu	Asp	Ser	Ala
				20					25					30
Asp	Ala	Asn	Phe	Ser	Val	Trp	Ile	Lys	Arg	Cys	Gln	Glu	Ala	Gln
				35					40					45
Asn	Gly	Ser	Glu	Ser	Glu	Val	Trp	Thr	His	Gln	Ser	Lys	Ile	Lys
				50					55					60
Tyr	Asp	Trp	Tyr	Gln	Thr	Glu	Ser	Gln	Val	Val	Ile	Thr	Leu	Met
				65					70					75
Ile	Lys	Asn	Val	Gln	Lys	Asn	Asp	Val	Asn	Val	Glu	Phe	Ser	Glu
				80					85					90
Lys	Glu	Leu	Ser	Ala	Leu	Val	Lys	Leu	Pro	Ser	Gly	Glu	Asp	Tyr
				95					100					105
Asn	Leu	Lys	Leu	Glu	Leu	Leu	His	Pro	Ile	Ile	Pro	Glu	Gln	Ser
				110					115					120
Thr	Phe	Lys	Val	Leu	Ser	Thr	Lys	Ile	Glu	Ile	Lys	Leu	Lys	Lys
				125					130					135
Pro	Glu	Ala	Val	Arg	Trp	Glu	Lys	Leu	Glu	Gly	Gln	Gly	Asp	Val
				140					145					150
Pro	Thr	Pro	Lys	Gln	Phe	Val	Ala	Asp	Val	Lys	Asn	Leu	Tyr	Pro
				155					160					165
Ser	Ser	Ser	Pro	Tyr	Thr	Arg	Asn	Trp	Asp	Lys	Leu	Val	Gly	Glu
				170					175					180
Ile	Lys	Glu	Glu	Glu	Lys	Asn	Glu	Lys	Leu	Glu	Gly	Asp	Ala	Ala
				185					190					195
Leu	Asn	Arg	Leu	Phe	Gln	Gln	Ile	Tyr	Ser	Asp	Gly	Ser	Asp	Glu
				200					205					210
Val	Lys	Arg	Ala	Met	Asn	Lys	Ser	Phe	Met	Glu	Ser	Gly	Gly	Thr
				215					220					225
Val	Leu	Ser	Thr	Asn	Trp	Ser	Asp	Val	Gly	Lys	Arg	Lys	Val	Glu
				230					235					240
Ile	Asn	Pro	Pro	Asp	Asp	Met	Glu	Trp	Lys	Lys	Tyr			
				245					250					

<210> 43
<211> 228
<212> PRT

PF-0509 USN

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3149729CD1

<400> 43

Met	Thr	Met	Gly	Asp	Lys	Lys	Ser	Pro	Thr	Arg	Pro	Lys	Arg	Gln
1				5					10					15
Ala	Lys	Pro	Ala	Ala	Asp	Glu	Gly	Phe	Trp	Asp	Cys	Ser	Val	Cys
				20					25					30
Thr	Phe	Arg	Asn	Ser	Ala	Glu	Ala	Phe	Lys	Cys	Ser	Ile	Cys	Asp
				35					40					45
Val	Arg	Lys	Gly	Thr	Ser	Thr	Arg	Lys	Pro	Arg	Ile	Asn	Ser	Gln
				50					55					60
Leu	Val	Ala	Gln	Gln	Val	Ala	Gln	Gln	Tyr	Ala	Thr	Pro	Pro	Pro
				65					70					75
Pro	Lys	Lys	Glu	Lys	Lys	Glu	Lys	Val	Glu	Lys	Gln	Asp	Lys	Glu
				80					85					90
Lys	Pro	Glu	Lys	Asp	Lys	Glu	Ile	Ser	Pro	Ser	Val	Thr	Lys	Lys
				95					100					105
Asn	Thr	Asn	Lys	Lys	Thr	Lys	Pro	Lys	Ser	Asp	Ile	Leu	Lys	Asp
				110					115					120
Pro	Pro	Ser	Glu	Ala	Asn	Ser	Ile	Gln	Ser	Ala	Asn	Ala	Thr	Thr
				125					130					135
Lys	Thr	Ser	Glu	Thr	Asn	His	Thr	Ser	Arg	Pro	Arg	Leu	Lys	Asn
				140					145					150
Val	Asp	Arg	Ser	Thr	Ala	Gln	Gln	Leu	Ala	Val	Thr	Val	Gly	Asn
				155					160					165
Val	Thr	Val	Ile	Ile	Thr	Asp	Phe	Lys	Glu	Lys	Thr	Arg	Ser	Ser
				170					175					180
Ser	Thr	Ser	Ser	Ser	Thr	Val	Thr	Ser	Ser	Ala	Gly	Ser	Glu	Gln
				185					190					195
Gln	Asn	Gln	Ser	Ser	Ser	Gly	Ser	Glu	Ser	Thr	Asp	Lys	Gly	Ser
				200					205					210
Ser	Arg	Ser	Ser	Thr	Pro	Lys	Gly	Asp	Met	Ser	Ala	Val	Asn	Asp
				215					220					225
Glu	Ser	Phe												

<210> 44

<211> 117

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3705895CD1

<400> 44

Met	Ala	Ala	Ala	Ala	Ala	Ala	Gly	Ser	Gly	Thr	Pro	Arg	Glu	Glu
1						5			10					15
Glu	Gly	Pro	Ala	Gly	Glu	Ala	Ala	Ala	Ser	Gln	Pro	Gln	Ala	Pro
				20					25					30

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Thr	Ser	Val	Pro	Gly	Ala	Arg	Leu	Ser	Arg	Leu	Pro	Leu	Ala	Arg
				35					40					45
Val	Lys	Ala	Leu	Val	Lys	Ala	Asp	Pro	Asp	Val	Thr	Leu	Ala	Gly
				50					55					60
Gln	Glu	Ala	Ile	Phe	Ile	Leu	Ala	Arg	Ala	Ala	Glu	Leu	Phe	Val
				65					70					75
Glu	Thr	Ile	Ala	Lys	Asp	Ala	Tyr	Cys	Cys	Ala	Gln	Gln	Gly	Lys
				80					85					90
Arg	Lys	Thr	Leu	Gln	Arg	Arg	Asp	Leu	Asp	Asn	Ala	Ile	Glu	Ala
				95					100					105
Val	Asp	Glu	Phe	Ala	Phe	Leu	Glu	Gly	Thr	Leu	Asp			
				110					115					

<210> 45

<211> 252

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 003256CD1

<400> 45

Met	Thr	Pro	Lys	Leu	Gly	Arg	Gly	Val	Leu	Glu	Gly	Asp	Asp	Val
1				5					10					15
Leu	Phe	Tyr	Asp	Glu	Ser	Pro	Pro	Pro	Arg	Pro	Lys	Leu	Ser	Ala
				20					25					30
Leu	Ala	Glu	Ala	Lys	Lys	Leu	Ala	Ala	Ile	Thr	Lys	Leu	Arg	Ala
				35					40					45
Lys	Gly	Gln	Val	Leu	Thr	Lys	Thr	Asn	Pro	Asn	Ser	Ile	Lys	Lys
				50					55					60
Lys	Gln	Lys	Asp	Pro	Gln	Asp	Ile	Leu	Glu	Val	Lys	Glu	Arg	Val
				65					70					75
Glu	Lys	Asn	Thr	Met	Phe	Ser	Ser	Gln	Ala	Glu	Asp	Glu	Leu	Glu
				80					85					90
Pro	Ala	Arg	Lys	Lys	Arg	Arg	Glu	Gln	Leu	Ala	Tyr	Leu	Glu	Ser
				95					100					105
Glu	Glu	Phe	Gln	Lys	Ile	Leu	Lys	Ala	Lys	Ser	Lys	His	Thr	Gly
				110					115					120
Ile	Leu	Lys	Glu	Ala	Glu	Ala	Glu	Met	Gln	Glu	Arg	Tyr	Phe	Glu
				125					130					135
Pro	Leu	Val	Lys	Lys	Glu	Gln	Met	Glu	Glu	Lys	Met	Arg	Asn	Ile
				140					145					150
Arg	Glu	Val	Lys	Cys	Arg	Val	Val	Thr	Cys	Lys	Thr	Cys	Ala	Tyr
				155					160					165
Thr	His	Phe	Lys	Leu	Leu	Glu	Thr	Cys	Val	Ser	Glu	Gln	His	Glu
				170					175					180
Tyr	His	Trp	His	Asp	Gly	Val	Lys	Arg	Phe	Phe	Lys	Cys	Pro	Cys
				185					190					195
Gly	Asn	Arg	Ser	Ile	Ser	Leu	Asp	Arg	Leu	Pro	Asn	Lys	His	Cys
				200					205					210
Ser	Asn	Cys	Gly	Leu	Tyr	Lys	Trp	Glu	Arg	Asp	Gly	Met	Leu	Lys
				215					220					225
Glu	Lys	Thr	Gly	Pro	Lys	Ile	Gly	Gly	Glu	Thr	Leu	Leu	Pro	Arg

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	230		235		240
Gly Glu Glu His	Ala Lys Phe Leu Asn	Ser Leu Lys			
	245		250		

<210> 46

<211> 530

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 156986CD1

<400> 46

Met	Ala	Lys	Gly	Glu	Gly	Ala	Glu	Ser	Gly	Ser	Ala	Ala	Gly	Leu	
1				5					10					15	
Leu	Pro	Thr	Ser	Ile	Leu	Gln	Ser	Thr	Glu	Arg	Pro	Ala	Gln	Val	
				20					25					30	
Lys	Lys	Glu	Pro	Lys	Lys	Lys	Lys	Gln	Gln	Leu	Ser	Val	Cys	Asn	
				35					40					45	
Lys	Leu	Cys	Tyr	Ala	Leu	Gly	Gly	Ala	Pro	Tyr	Gln	Val	Thr	Gly	
				50					55					60	
Cys	Ala	Leu	Gly	Phe	Phe	Leu	Gln	Ile	Tyr	Leu	Leu	Asp	Val	Ala	
				65					70					75	
Gln	Val	Gly	Pro	Phe	Ser	Ala	Ser	Ile	Ile	Leu	Phe	Val	Gly	Arg	
				80					85					90	
Ala	Trp	Asp	Ala	Ile	Thr	Asp	Pro	Leu	Val	Gly	Leu	Cys	Ile	Ser	
				95					100					105	
Lys	Ser	Pro	Trp	Thr	Cys	Leu	Gly	Arg	Leu	Met	Pro	Trp	Ile	Ile	
				110					115					120	
Phe	Ser	Thr	Pro	Leu	Ala	Val	Ile	Ala	Tyr	Phe	Leu	Ile	Trp	Phe	
				125					130					135	
Val	Pro	Asp	Phe	Pro	His	Gly	Gln	Thr	Tyr	Trp	Tyr	Leu	Leu	Phe	
				140					145					150	
Tyr	Cys	Leu	Phe	Glu	Thr	Met	Val	Thr	Cys	Phe	His	Val	Pro	Tyr	
				155					160					165	
Ser	Ala	Leu	Thr	Met	Phe	Ile	Ser	Thr	Glu	Gln	Thr	Glu	Arg	Asp	
				170					175					180	
Ser	Ala	Thr	Ala	Tyr	Arg	Met	Thr	Val	Glu	Val	Leu	Gly	Thr	Val	
				185					190					195	
Leu	Gly	Thr	Ala	Ile	Gln	Gly	Gln	Ile	Val	Gly	Gln	Ala	Asp	Thr	
				200					205					210	
Pro	Cys	Phe	Gln	Asp	Leu	Asn	Ser	Ser	Thr	Val	Ala	Ser	Gln	Ser	
				215					220					225	
Ala	Asn	His	Thr	His	Gly	Thr	Thr	Ser	His	Arg	Glu	Thr	Gln	Lys	
				230					235					240	
Ala	Tyr	Leu	Leu	Ala	Ala	Gly	Val	Ile	Val	Cys	Ile	Tyr	Ile	Ile	
				245					250					255	
Cys	Ala	Val	Ile	Leu	Ile	Leu	Gly	Val	Arg	Glu	Gln	Arg	Glu	Pro	
				260					265					270	
Tyr	Glu	Ala	Gln	Gln	Ser	Glu	Pro	Ile	Ala	Tyr	Phe	Arg	Gly	Leu	
				275					280					285	
Arg	Leu	Val	Met	Ser	His	Gly	Pro	Tyr	Ile	Lys	Leu	Ile	Thr	Gly	
				290					295					300	

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Phe	Leu	Phe	Thr	Ser	Leu	Ala	Phe	Met	Leu	Val	Glu	Gly	Asn	Phe			
				305						310					315		
Val	Leu	Phe	Cys	Thr	Tyr	Thr	Leu	Gly	Phe	Arg	Asn	Glu	Phe	Gln			
				320						325					330		
Asn	Leu	Leu	Leu	Ala	Ile	Met	Leu	Ser	Ala	Thr	Leu	Thr	Ile	Pro			
				335						340					345		
Ile	Trp	Gln	Trp	Phe	Leu	Thr	Arg	Phe	Gly	Lys	Lys	Thr	Ala	Val			
				350						355					360		
Tyr	Val	Gly	Ile	Ser	Ser	Ala	Val	Pro	Phe	Leu	Ile	Leu	Val	Ala			
				365						370					375		
Leu	Met	Glu	Ser	Asn	Leu	Ile	Ile	Thr	Tyr	Ala	Val	Ala	Val	Ala			
				380						385					390		
Ala	Gly	Ile	Ser	Val	Ala	Ala	Ala	Phe	Leu	Leu	Pro	Trp	Ser	Met			
				395						400					405		
Leu	Pro	Asp	Val	Ile	Asp	Asp	Phe	His	Leu	Lys	Gln	Pro	His	Phe			
				410						415					420		
His	Gly	Thr	Glu	Pro	Ile	Phe	Phe	Ser	Phe	Tyr	Val	Phe	Phe	Thr			
				425						430					435		
Lys	Phe	Ala	Ser	Gly	Val	Ser	Leu	Gly	Ile	Ser	Thr	Leu	Ser	Leu			
				440						445					450		
Asp	Phe	Ala	Gly	Tyr	Gln	Thr	Arg	Gly	Cys	Ser	Gln	Pro	Glu	Arg			
				455						460					465		
Val	Lys	Phe	Thr	Leu	Asn	Met	Leu	Val	Thr	Met	Ala	Pro	Ile	Val			
				470						475					480		
Leu	Ile	Leu	Leu	Gly	Leu	Leu	Leu	Phe	Lys	Met	Tyr	Pro	Ile	Asp			
				485						490					495		
Glu	Glu	Arg	Arg	Arg	Gln	Asn	Lys	Lys	Ala	Leu	Gln	Ala	Leu	Arg			
				500						505					510		
Asp	Glu	Ala	Ser	Ser	Ser	Gly	Cys	Ser	Glu	Thr	Asp	Ser	Thr	Glu			
				515						520					525		
Leu	Ala	Ser	Ile	Leu													
				530													

<210> 47

<211> 355

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 319415CD1

<400> 47

Met	Gly	Cys	Val	Phe	Gln	Ser	Thr	Glu	Asp	Lys	Cys	Ile	Phe	Lys			
1				5					10					15			
Ile	Asp	Trp	Thr	Leu	Ser	Pro	Gly	Glu	His	Ala	Lys	Asp	Glu	Tyr			
				20					25					30			
Val	Leu	Tyr	Tyr	Tyr	Ser	Asn	Leu	Ser	Val	Pro	Ile	Gly	Arg	Phe			
				35					40					45			
Gln	Asn	Arg	Val	His	Leu	Met	Gly	Asp	Ile	Leu	Cys	Asn	Asp	Gly			
				50					55					60			
Ser	Leu	Leu	Leu	Gln	Asp	Val	Gln	Glu	Ala	Asp	Gln	Gly	Thr	Tyr			
				65					70					75			
Ile	Cys	Glu	Ile	Arg	Leu	Lys	Gly	Glu	Ser	Gln	Val	Phe	Lys	Lys			

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	80		85		90
Ala Val Val Leu	His Val Leu Pro Glu	Glu Pro Lys Glu Leu	Met		
	95		100		105
Val His Val Gly	Gly Leu Ile Gln Met	Gly Cys Val Phe Gln	Ser		
	110		115		120
Thr Glu Val Lys	His Val Thr Lys Val	Glu Trp Ile Phe Ser	Gly		
	125		130		135
Arg Arg Ala Lys	Glu Glu Ile Val Phe	Arg Tyr Tyr His Lys	Leu		
	140		145		150
Arg Met Ser Val	Glu Tyr Ser Gln Ser	Trp Gly His Phe Gln	Asn		
	155		160		165
Arg Val Asn Leu	Val Gly Asp Ile Phe	Arg Asn Asp Gly Ser	Ile		
	170		175		180
Met Leu Gln Gly	Val Arg Glu Ser Asp	Gly Gly Asn Tyr Thr	Cys		
	185		190		195
Ser Ile His Leu	Gly Asn Leu Val Phe	Lys Lys Thr Ile Val	Leu		
	200		205		210
His Val Ser Pro	Glu Glu Pro Arg Thr	Leu Val Thr Pro Ala	Ala		
	215		220		225
Leu Arg Pro Leu	Val Leu Gly Gly Asn	Gln Leu Val Ile Ile	Val		
	230		235		240
Gly Ile Val Cys	Ala Thr Ile Leu Leu	Leu Pro Val Leu Ile	Leu		
	245		250		255
Ile Val Lys Lys	Thr Cys Gly Asn Lys	Ser Ser Val Asn Ser	Thr		
	260		265		270
Val Leu Val Lys	Asn Thr Lys Lys Thr	Asn Pro Glu Ile Lys	Glu		
	275		280		285
Lys Pro Cys His	Phe Glu Arg Cys Glu	Gly Glu Lys His Ile	Tyr		
	290		295		300
Ser Pro Ile Ile	Val Arg Glu Val Ile	Glu Glu Glu Glu Pro	Ser		
	305		310		315
Glu Lys Ser Glu	Ala Thr Tyr Met Thr	Met His Pro Val Trp	Pro		
	320		325		330
Ser Leu Arg Ser	Asp Arg Asn Asn Ser	Leu Glu Lys Lys Ser	Gly		
	335		340		345
Gly Gly Met Pro	Lys Thr Gln Gln Ala	Phe			
	350		355		

<210> 48
 <211> 136
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 635581CD1

<400> 48	
Met Val Gly Gln Thr	Glu Asp Asp Thr Ala Gln Gln Leu Val Pro
1	5 10 15
Thr Cys Gly Met Lys	Gly Val Gly Glu Arg Ile Val Glu Tyr Val
	20 25 30
Ser Asn Ile Pro Ala	Leu Gln Arg Ala Thr Pro Lys Gly Leu Ala
	35 40 45

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Ser	Val	Ser	Pro	Asp	Leu	Glu	His	Arg	Gln	Glu	Trp	Thr	Tyr	Ser	
				50					55						60
Lys	Ser	Pro	Leu	Met	Gly	Lys	Gly	Thr	Arg	Leu	Glu	Ala	Ser	Glu	
				65					70						75
Asn	Lys	Arg	Ala	Gly	Trp	Leu	Ala	Ala		Pro	Glu	Asn	Leu	Lys	
				80					85						90
Tyr	His	Arg	Gln	Ile	Ala	Gln	Gly	Ala	Lys	Asp	Tyr	Glu	Ile	Leu	
				95					100						105
Lys	Lys	Glu	Thr	Asn	Lys	Phe	Ile	Leu	Arg	Ile	Tyr	Thr	His	Trp	
				110					115						120
Ser	Arg	Arg	Ser	Ile	Leu	Arg	Lys	Gly	Ser	Lys	Gly	Met	Gln	Asn	
				125					130						135

Leu

<210> 49

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 921803CD1

<400> 49

Met	Lys	Leu	Ile	Val	Gly	Ile	Gly	Gly	Met	Thr	Asn	Gly	Gly	Lys	
1				5					10					15	
Thr	Thr	Leu	Thr	Asn	Ser	Leu	Leu	Arg	Ala	Leu	Pro	Asn	Cys	Cys	
				20					25					30	
Val	Ile	His	Gln	Asp	Asp	Phe	Phe	Lys	Pro	Gln	Asp	Gln	Ile	Ala	
				35					40					45	
Val	Gly	Glu	Asp	Gly	Phe	Lys	Gln	Trp	Asp	Val	Leu	Glu	Ser	Leu	
				50					55					60	
Asp	Met	Glu	Ala	Met	Leu	Asp	Thr	Val	Gln	Ala	Trp	Leu	Ser	Ser	
				65					70					75	
Pro	Gln	Lys	Phe	Ala	Arg	Ala	His	Gly	Val	Ser	Val	Gln	Pro	Glu	
				80					85					90	
Ala	Ser	Asp	Thr	His	Ile	Leu	Leu	Leu	Glu	Gly	Phe	Leu	Leu	Tyr	
				95					100					105	
Ser	Tyr	Lys	Pro	Leu	Val	Asp	Leu	Tyr	Ser	Arg	Arg	Tyr	Phe	Leu	
				110					115					120	
Thr	Val	Pro	Tyr	Glu	Glu	Cys	Lys	Trp	Arg	Arg	Ser	Thr	Arg	Asn	
				125					130					135	
Tyr	Thr	Val	Pro	Asp	Pro	Pro	Gly	Leu	Phe	Asp	Gly	His	Val	Trp	
				140					145					150	
Pro	Met	Tyr	Gln	Lys	Tyr	Arg	Gln	Glu	Met	Glu	Ala	Asn	Gly	Val	
				155					160					165	
Glu	Val	Val	Tyr	Leu	Asp	Gly	Met	Lys	Ser	Arg	Glu	Glu	Leu	Phe	
				170					175					180	
Arg	Glu	Val	Leu	Glu	Asp	Ile	Gln	Asn	Ser	Leu	Leu	Asn	Arg	Ser	
				185					190					195	
Gln	Glu	Ser	Ala	Pro	Ser	Pro	Ala	Arg	Pro	Ala	Arg	Thr	Gln	Gly	
				200					205					210	
Pro	Gly	Arg	Gly	Cys	Gly	His	Arg	Thr	Ala	Arg	Pro	Ala	Ala	Ser	

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	215	220	225
Gln Gln Asp Ser Met			
230			

<210> 50
<211> 70
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1250492CD1

<400> 50
Met Thr Ile Lys Leu Arg Pro Leu Pro Phe Phe Lys Pro Lys Ser
1 5 10 15
Gly Asn Gln Glu Gln Gln Leu His Gly Leu Leu Ala Pro Asp Gln
20 25 30
Pro Gly Ser Gly Asp Ile Val Ser Leu Phe Gly Asn Cys Arg Pro
35 40 45
Gln Gly Val Gly Leu Ser His Phe Leu Val Leu Pro Thr Phe Pro
50 55 60
Ile Arg Ala Ser Ser Arg Gly Gln Val Cys
65 70

<210> 51
<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1427838CD1

<400> 51
Met Leu Ala Phe Ser Glu Met Pro Lys Pro Pro Asp Tyr Ser Glu
1 5 10 15
Leu Ser Asp Ser Leu Thr Leu Ala Val Gly Thr Gly Arg Phe Ser
20 25 30
Gly Pro Leu His Arg Ala Trp Arg Met Met Asn Phe Arg Gln Arg
35 40 45
Met Gly Trp Ile Gly Val Gly Leu Tyr Leu Leu Ala Ser Ala Ala
50 55 60
Ala Phe Tyr Tyr Val Phe Glu Ile Ser Glu Thr Tyr Asn Arg Leu
65 70 75
Ala Leu Glu His Ile Gln Gln His Pro Glu Glu Pro Leu Glu Gly
80 85 90
Thr Thr Trp Thr His Ser Leu Lys Ala Gln Leu Leu Ser Leu Pro
95 100 105
Phe Trp Val Trp Thr Val Ile Phe Leu Val Pro Tyr Leu Gln Met
110 115 120
Phe Leu Phe Leu Tyr Ser Cys Thr Arg Ala Asp Pro Lys Thr Val
125 130 135
Gly Tyr Cys Ile Ile Pro Ile Cys Leu Ala Val Ile Cys Asn Arg

	140		145		150
His Gln Ala Phe	Val Lys Ala Ser Asn	Gln Ile Ser Arg	Leu Gln		
	155		160		165
Leu Ile Asp Thr					

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<210> 52
<211> 359
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte ID No: 1448258CD1
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<400> 52														
Met	Gly	Pro	Thr	Lys	Phe	Thr	Gln	Thr	Asn	Ile	Gly	Ile	Ile	Glu
1				5					10					15
Asn	Lys	Leu	Leu	Glu	Ala	Pro	Asp	Val	Leu	Cys	Leu	Arg	Leu	Ser
				20					25					30
Thr	Glu	Gln	Cys	Gln	Ala	His	Glu	Glu	Lys	Gly	Ile	Glu	Glu	Leu
				35					40					45
Ser	Asp	Pro	Ser	Gly	Pro	Lys	Ser	Tyr	Ser	Ile	Thr	Glu	Lys	His
				50					55					60
Tyr	Ala	Gln	Glu	Asp	Pro	Arg	Met	Leu	Phe	Val	Ala	Ala	Val	Asp
				65					70					75
His	Ser	Ser	Ser	Gly	Asp	Met	Ser	Leu	Leu	Pro	Ser	Ser	Asp	Pro
				80					85					90
Lys	Phe	Gln	Gly	Leu	Gly	Val	Val	Glu	Ser	Ala	Val	Thr	Ala	Asn
				95					100					105
Asn	Thr	Glu	Glu	Ser	Leu	Phe	Arg	Ile	Cys	Ser	Pro	Leu	Ser	Gly
				110					115					120
Ala	Asn	Glu	Tyr	Ile	Ala	Ser	Thr	Asp	Thr	Leu	Lys	Thr	Glu	Glu
				125					130					135
Val	Leu	Leu	Phe	Thr	Asp	Gln	Thr	Asp	Asp	Leu	Ala	Lys	Glu	Glu
				140					145					150
Pro	Thr	Ser	Leu	Phe	Gln	Arg	Asp	Ser	Glu	Thr	Lys	Gly	Glu	Ser
				155					160					165
Gly	Leu	Val	Leu	Glu	Gly	Asp	Lys	Glu	Ile	His	Gln	Ile	Phe	Glu
				170					175					180
Asp	Leu	Asp	Lys	Lys	Leu	Ala	Leu	Ala	Ser	Arg	Phe	Tyr	Ile	Pro
				185					190					195
Glu	Gly	Cys	Ile	Gln	Arg	Trp	Ala	Ala	Glu	Met	Val	Val	Ala	Leu
				200					205					210
Asp	Ala	Leu	His	Arg	Glu	Gly	Ile	Val	Cys	Arg	Asp	Leu	Asn	Pro
				215					220					225
Asn	Asn	Ile	Leu	Leu	Asn	Asp	Arg	Gly	His	Ile	Gln	Leu	Thr	Tyr
				230					235					240
Phe	Ser	Arg	Trp	Ser	Glu	Val	Glu	Asp	Ser	Cys	Asp	Ser	Asp	Ala
				245					250					255
Ile	Glu	Arg	Met	Tyr	Cys	Ala	Pro	Glu	Val	Gly	Ala	Ile	Thr	Glu
				260					265					270
Glu	Thr	Glu	Ala	Cys	Asp	Trp	Trp	Ser	Leu	Gly	Ala	Val	Leu	Phe
				275					280					285

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Glu	Leu	Leu	Thr	Gly	Lys	Thr	Leu	Val	Glu	Cys	His	Pro	Ala	Gly	
				290					295					300	
Ile	Asn	Thr	His	Thr	Thr	Leu	Asn	Met	Pro	Glu	Cys	Val	Ser	Glu	
				305					310					315	
Glu	Ala	Arg	Ser	Leu	Ile	Gln	Gln	Leu	Leu	Gln	Phe	Asn	Pro	Leu	
				320					325					330	
Glu	Arg	Leu	Gly	Ala	Gly	Val	Ala	Gly	Val	Glu	Asp	Ile	Lys	Ser	
				335					340					345	
His	Pro	Phe	Phe	Thr	Pro	Val	Asp	Trp	Ala	Glu	Leu	Met	Arg		
				350					355						

<210> 53

<211> 545

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1645941CD1

<400> 53

Met	Ser	Arg	Lys	Gln	Asn	Gln	Lys	Asp	Ser	Ser	Gly	Phe	Ile	Phe	
1				5					10					15	
Asp	Leu	Gln	Ser	Asn	Thr	Val	Leu	Ala	Gln	Gly	Gly	Ala	Phe	Glu	
				20					25					30	
Asn	Met	Lys	Glu	Lys	Ile	Asn	Ala	Val	Arg	Ala	Ile	Val	Pro	Asn	
				35					40					45	
Lys	Ser	Asn	Asn	Glu	Ile	Ile	Leu	Val	Leu	Gln	His	Phe	Asp	Asn	
				50					55					60	
Cys	Val	Asp	Lys	Thr	Val	Gln	Ala	Phe	Met	Glu	Gly	Ser	Ala	Ser	
				65					70					75	
Glu	Val	Leu	Lys	Glu	Trp	Thr	Val	Thr	Gly	Lys	Lys	Lys	Asn	Lys	
				80					85					90	
Lys	Lys	Lys	Asn	Lys	Pro	Lys	Pro	Ala	Ala	Glu	Pro	Ser	Asn	Gly	
				95					100					105	
Ile	Pro	Asp	Ser	Ser	Lys	Ser	Val	Ser	Ile	Gln	Glu	Glu	Gln	Ser	
				110					115					120	
Ala	Pro	Ser	Ser	Glu	Lys	Gly	Gly	Met	Asn	Gly	Tyr	His	Val	Asn	
				125					130					135	
Gly	Ala	Ile	Asn	Asp	Thr	Glu	Ser	Val	Asp	Ser	Leu	Ser	Glu	Gly	
				140					145					150	
Leu	Glu	Thr	Leu	Ser	Ile	Asp	Ala	Arg	Glu	Leu	Glu	Asp	Pro	Glu	
				155					160					165	
Ser	Ala	Met	Leu	Asp	Thr	Leu	Asp	Arg	Thr	Gly	Ser	Met	Leu	Gln	
				170					175					180	
Asn	Gly	Val	Ser	Asp	Phe	Glu	Thr	Lys	Ser	Leu	Thr	Met	His	Ser	
				185					190					195	
Ile	His	Asn	Ser	Gln	Gln	Pro	Arg	Asn	Ala	Ala	Lys	Ser	Leu	Ser	
				200					205					210	
Arg	Pro	Thr	Thr	Glu	Thr	Gln	Phe	Ser	Asn	Met	Gly	Met	Glu	Asp	
				215					220					225	
Val	Pro	Leu	Ala	Thr	Ser	Lys	Lys	Leu	Ser	Ser	Asn	Ile	Glu	Lys	
				230					235					240	
Ser	Val	Lys	Asp	Leu	Gln	Arg	Cys	Thr	Val	Ser	Leu	Ala	Arg	Tyr	

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	245		250		255
Arg Val Val Val	Lys Glu Glu Met Asp	Ala Ser Ile Lys Lys	Met		
	260		265		270
Lys Gln Ala Phe	Ala Glu Leu Glu Ser	Cys Leu Met Asp Arg	Glu		
	275		280		285
Val Ala Leu Leu	Ala Glu Met Asp Lys	Val Lys Ala Glu Ala	Met		
	290		295		300
Glu Ile Leu Leu	Ser Arg Gln Lys Lys	Ala Glu Leu Leu Lys	Lys		
	305		310		315
Met Thr His Val	Ala Val Gln Met Ser	Glu Gln Gln Leu Val	Glu		
	320		325		330
Leu Arg Ala Asp	Ile Lys His Phe Val	Ser Glu Arg Lys Tyr	Asp		
	335		340		345
Glu Asp Leu Gly	Arg Val Ala Arg Phe	Thr Cys Asp Val Glu	Thr		
	350		355		360
Leu Lys Lys Ser	Ile Asp Ser Phe Gly	Gln Val Ser His Pro	Lys		
	365		370		375
Asn Ser Tyr Ser	Thr Arg Ser Arg Cys	Ser Ser Val Thr Ser	Val		
	380		385		390
Ser Leu Ser Ser	Pro Ser Asp Ala Ser	Ala Ala Ser Ser Ser	Thr		
	395		400		405
Cys Ala Ser Pro	Pro Ser Leu Thr Ser	Ala Asn Lys Lys Asn	Phe		
	410		415		420
Ala Pro Gly Glu	Thr Pro Ala Ala Ile	Ala Asn Ser Ser Gly	Gln		
	425		430		435
Pro Tyr Gln Pro	Leu Arg Glu Val Leu	Pro Gly Asn Arg Arg	Gly		
	440		445		450
Gly Gln Gly Tyr	Arg Pro Gln Gly Gln	Lys Ser Asn Asp Pro	Met		
	455		460		465
Asn Gln Gly Arg	His Asp Ser Met Gly	Arg Tyr Arg Asn Ser	Ser		
	470		475		480
Trp Tyr Ser Ser	Gly Ser Arg Tyr Gln	Ser Ala Pro Ser Gln	Ala		
	485		490		495
Pro Gly Asn Thr	Ile Glu Arg Gly Gln	Thr His Ser Ala Gly	Thr		
	500		505		510
Asn Gly Thr Gly	Val Ser Met Glu Pro	Ser Pro Pro Thr Pro	Ser		
	515		520		525
Phe Lys Lys Gly	Leu Pro Gln Arg Lys	Pro Arg Thr Ser Gln	Thr		
	530		535		540
Glu Ala Val Asn	Ser				
	545				

<210> 54

<211> 99

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1646005CD1

<400> 54

Met Asn Trp Val	Ala Val Leu Cys Pro	Leu Gly Ile Val Trp	Met
1	5	10	15

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Val	Gly	Asp	Gln	Pro	Pro	Gln	Val	Leu	Ser	Gln	Ala	Ser	Ser	Leu
				20					25					30
Ala	Val	Tyr	Leu	Arg	Ala	Ala	Pro	Tyr	Pro	Asp	Val	Thr	Ala	Lys
				35					40					45
Lys	Leu	Arg	His	Asp	Thr	Asn	Cys	Gly	Phe	Pro	Arg	Gln	Gln	Arg
				50					55					60
Met	Ala	Arg	Gly	His	Glu	Gly	Arg	Ala	Pro	Leu	Leu	Asp	Arg	Pro
				65					70					75
Thr	Leu	Lys	Ser	Arg	Tyr	Leu	Arg	Ala	Asn	His	Lys	Ile	Asn	Thr
				80					85					90
Phe	Glu	Glu	Ile	Thr	Ala	Met	Pro	Ser						
				95										

<210> 55

<211> 565

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1686561CD1

<400> 55

Met	Asn	Arg	Ser	Ile	Pro	Val	Glu	Val	Asp	Glu	Ser	Glu	Pro	Tyr
1				5					10					15
Pro	Ser	Gln	Leu	Leu	Lys	Pro	Ile	Pro	Glu	Tyr	Ser	Pro	Glu	Glu
				20					25					30
Glu	Ser	Glu	Pro	Pro	Ala	Pro	Asn	Ile	Arg	Asn	Met	Ala	Pro	Asn
				35					40					45
Ser	Leu	Ser	Ala	Pro	Thr	Met	Leu	His	Asn	Ser	Ser	Gly	Asp	Phe
				50					55					60
Ser	Gln	Ala	His	Ser	Thr	Leu	Lys	Leu	Ala	Asn	His	Gln	Arg	Pro
				65					70					75
Val	Ser	Arg	Gln	Val	Thr	Cys	Leu	Arg	Thr	Gln	Val	Leu	Glu	Asp
				80					85					90
Ser	Glu	Asp	Ser	Phe	Cys	Arg	Arg	His	Pro	Gly	Leu	Gly	Lys	Ala
				95					100					105
Phe	Pro	Ser	Gly	Cys	Ser	Ala	Val	Ser	Glu	Pro	Ala	Ser	Glu	Ser
				110					115					120
Val	Val	Gly	Ala	Leu	Pro	Ala	Glu	His	Gln	Phe	Ser	Phe	Met	Glu
				125					130					135
Lys	Arg	Asn	Gln	Trp	Leu	Val	Ser	Gln	Leu	Ser	Ala	Ala	Ser	Pro
				140					145					150
Asp	Thr	Gly	His	Asp	Ser	Asp	Lys	Ser	Asp	Gln	Ser	Leu	Pro	Asn
				155					160					165
Ala	Ser	Ala	Asp	Ser	Leu	Gly	Gly	Ser	Gln	Glu	Met	Val	Gln	Arg
				170					175					180
Pro	Gln	Pro	His	Arg	Asn	Arg	Ala	Gly	Leu	Asp	Leu	Pro	Thr	Ile
				185					190					195
Asp	Thr	Gly	Tyr	Asp	Ser	Gln	Pro	Gln	Asp	Val	Leu	Gly	Ile	Arg
				200					205					210
Gln	Leu	Glu	Arg	Pro	Leu	Pro	Leu	Thr	Ser	Val	Cys	Tyr	Pro	Gln
				215					220					225
Asp	Leu	Pro	Arg	Pro	Leu	Arg	Ser	Arg	Glu	Phe	Pro	Gln	Phe	Glu

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	230		235		240
Pro Gln Arg Tyr	Pro Ala Cys Ala Gln	Met Leu Pro Pro Asn	Leu		
	245		250		255
Ser Pro His Ala	Pro Trp Asn Tyr His	Tyr His Cys Pro Gly	Ser		
	260		265		270
Pro Asp His Gln	Val Pro Tyr Gly His	Asp Tyr Pro Arg Ala	Ala		
	275		280		285
Tyr Gln Gln Val	Ile Gln Pro Ala Leu	Pro Gly Gln Pro Leu	Pro		
	290		295		300
Gly Ala Ser Val	Arg Gly Leu His Pro	Val Gln Lys Val Ile	Leu		
	305		310		315
Asn Tyr Pro Ser	Pro Trp Asp Gln Glu	Glu Arg Pro Ala Gln	Arg		
	320		325		330
Asp Cys Ser Phe	Pro Gly Leu Pro Arg	His Gln Asp Gln Pro	His		
	335		340		345
His Gln Pro Pro	Asn Arg Ala Gly Ala	Pro Gly Glu Ser Leu	Glu		
	350		355		360
Cys Pro Ala Glu	Leu Arg Pro Gln Val	Pro Gln Pro Pro Ser	Pro		
	365		370		375
Ala Ala Val Pro	Arg Pro Pro Ser Asn	Pro Pro Ala Arg Gly	Thr		
	380		385		390
Leu Lys Thr Ser	Asn Leu Pro Glu Glu	Leu Arg Lys Val Phe	Ile		
	395		400		405
Thr Tyr Ser Met	Asp Thr Ala Met Glu	Val Val Lys Phe Val	Asn		
	410		415		420
Phe Leu Leu Val	Asn Gly Phe Gln Thr	Ala Ile Asp Ile Phe	Glu		
	425		430		435
Asp Arg Ile Arg	Gly Ile Asp Ile Ile	Lys Trp Met Glu Arg	Tyr		
	440		445		450
Leu Arg Asp Lys	Thr Val Met Ile Ile	Val Ala Ile Ser Pro	Lys		
	455		460		465
Tyr Lys Gln Asp	Val Glu Gly Ala Glu	Ser Gln Leu Asp Glu	Asp		
	470		475		480
Glu His Gly Leu	His Thr Lys Tyr Ile	His Arg Met Met Gln	Ile		
	485		490		495
Glu Phe Ile Lys	Gln Gly Ser Met Asn	Phe Arg Phe Ile Pro	Val		
	500		505		510
Leu Phe Pro Asn	Ala Lys Lys Glu His	Val Pro Thr Trp Leu	Gln		
	515		520		525
Asn Thr His Val	Tyr Ser Trp Pro Lys	Asn Lys Lys Asn Ile	Leu		
	530		535		540
Leu Arg Leu Leu	Arg Glu Glu Glu Tyr	Val Ala Pro Pro Arg	Gly		
	545		550		555
Pro Leu Pro Thr	Leu Gln Val Val Pro	Leu			
	560		565		

<210> 56

<211> 197

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1821233CD1

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<400> 56

Met	Thr	Pro	Thr	Ser	Ser	Phe	Val	Ser	Pro	Pro	Pro	Pro	Thr	Ala	
1				5					10					15	
Ser	Pro	His	Ser	Asn	Arg	Thr	Thr	Pro	Pro	Glu	Ala	Ala	Gln	Asn	
				20					25					30	
Gly	Gln	Ser	Pro	Met	Ala	Ala	Leu	Ile	Leu	Val	Ala	Asp	Asn	Ala	
				35					40					45	
Gly	Gly	Ser	His	Ala	Ser	Lys	Asp	Ala	Asn	Gln	Val	His	Ser	Thr	
				50					55					60	
Thr	Arg	Arg	Asn	Ser	Asn	Ser	Pro	Pro	Ser	Pro	Ser	Ser	Met	Asn	
				65					70					75	
Gln	Arg	Arg	Leu	Gly	Pro	Arg	Glu	Val	Gly	Gly	Gln	Gly	Ala	Gly	
				80					85					90	
Asn	Thr	Gly	Gly	Leu	Glu	Pro	Val	His	Pro	Ala	Ser	Leu	Pro	Asp	
				95					100					105	
Ser	Ser	Leu	Ala	Thr	Ser	Ala	Pro	Leu	Cys	Cys	Thr	Leu	Cys	His	
				110					115					120	
Glu	Arg	Leu	Glu	Asp	Thr	His	Phe	Val	Gln	Cys	Pro	Ser	Val	Pro	
				125					130					135	
Ser	His	Lys	Phe	Cys	Phe	Pro	Cys	Ser	Arg	Gln	Ser	Ile	Lys	Gln	
				140					145					150	
Gln	Gly	Ala	Ser	Gly	Glu	Val	Tyr	Cys	Pro	Ser	Gly	Glu	Lys	Cys	
				155					160					165	
Pro	Leu	Val	Gly	Ser	Asn	Val	Pro	Trp	Ala	Phe	Met	Gln	Gly	Glu	
				170					175					180	
Ile	Ala	Thr	Ile	Leu	Ala	Gly	Asp	Val	Lys	Val	Lys	Lys	Glu	Arg	
				185					190					195	

Asp Ser

<210> 57

<211> 321

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1877278CD1

<400> 57

Met	Lys	Glu	Asp	Cys	Leu	Pro	Ser	Ser	His	Val	Pro	Ile	Ser	Asp	
1				5					10					15	
Ser	Lys	Ser	Ile	Gln	Lys	Ser	Glu	Leu	Leu	Gly	Leu	Leu	Lys	Thr	
				20					25					30	
Tyr	Asn	Cys	Tyr	His	Glu	Gly	Lys	Ser	Phe	Gln	Leu	Arg	His	Arg	
				35					40					45	
Glu	Glu	Glu	Gly	Thr	Leu	Ile	Ile	Glu	Gly	Leu	Leu	Asn	Ile	Ala	
				50					55					60	
Trp	Gly	Leu	Arg	Arg	Pro	Ile	Arg	Leu	Gln	Met	Gln	Asp	Asp	Arg	
				65					70					75	
Glu	Gln	Val	His	Leu	Pro	Ser	Thr	Ser	Trp	Met	Pro	Arg	Arg	Pro	
				80					85					90	
Ser	Cys	Pro	Leu	Lys	Glu	Pro	Ser	Pro	Gln	Asn	Gly	Asn	Ile	Thr	
				95					100					105	

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Ala	Gln	Gly	Pro	Ser	Ile	Gln	Pro	Val	His	Lys	Ala	Glu	Ser	Ser	
				110					115						120
Thr	Asp	Ser	Ser	Gly	Pro	Leu	Glu	Glu	Ala	Glu	Glu	Ala	Pro	Gln	
				125					130						135
Leu	Met	Arg	Thr	Lys	Ser	Asp	Ala	Ser	Cys	Met	Ser	Gln	Arg	Arg	
				140					145						150
Pro	Lys	Cys	Arg	Ala	Pro	Gly	Glu	Ala	Gln	Arg	Ile	Arg	Arg	His	
				155					160						165
Arg	Phe	Ser	Ile	Asn	Gly	His	Phe	Tyr	Asn	His	Lys	Thr	Ser	Val	
				170					175						180
Phe	Thr	Pro	Ala	Tyr	Gly	Ser	Val	Thr	Asn	Val	Arg	Val	Asn	Ser	
				185					190						195
Thr	Met	Thr	Thr	Leu	Gln	Val	Leu	Thr	Leu	Leu	Leu	Asn	Lys	Phe	
				200					205						210
Arg	Val	Glu	Asp	Gly	Pro	Ser	Glu	Phe	Ala	Leu	Tyr	Ile	Val	His	
				215					220						225
Glu	Ser	Gly	Glu	Arg	Thr	Lys	Leu	Lys	Asp	Cys	Glu	Tyr	Pro	Leu	
				230					235						240
Ile	Ser	Arg	Ile	Leu	His	Gly	Pro	Cys	Glu	Lys	Ile	Ala	Arg	Ile	
				245					250						255
Phe	Leu	Met	Glu	Ala	Asp	Leu	Gly	Val	Glu	Val	Pro	His	Glu	Val	
				260					265						270
Ala	Gln	Tyr	Ile	Lys	Phe	Glu	Met	Pro	Val	Leu	Asp	Ser	Phe	Val	
				275					280						285
Glu	Lys	Leu	Lys	Glu	Glu	Glu	Glu	Arg	Glu	Ile	Ile	Lys	Leu	Thr	
				290					295						300
Met	Lys	Phe	Gln	Ala	Leu	Arg	Leu	Thr	Met	Leu	Gln	Arg	Leu	Glu	
				305					310						315
Gln	Leu	Val	Glu	Ala	Lys										
				320											

<210> 58

<211> 356

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1880692CD1

<400> 58

Met	Glu	Trp	Leu	Lys	Ser	Thr	Asp	Tyr	Gly	Lys	Tyr	Glu	Gly	Leu	
1				5					10					15	
Thr	Lys	Asn	Tyr	Met	Asp	Tyr	Leu	Ser	Arg	Leu	Tyr	Glu	Arg	Glu	
				20					25					30	
Ile	Lys	Asp	Phe	Phe	Glu	Val	Ala	Lys	Ile	Lys	Met	Thr	Gly	Thr	
				35					40					45	
Thr	Lys	Glu	Ser	Lys	Lys	Phe	Gly	Leu	His	Gly	Ser	Ser	Gly	Lys	
				50					55					60	
Leu	Thr	Gly	Ser	Thr	Ser	Ser	Leu	Asn	Lys	Leu	Ser	Val	Gln	Ser	
				65					70					75	
Ser	Gly	Asn	Arg	Arg	Ser	Gln	Ser	Ser	Ser	Leu	Leu	Asp	Met	Gly	
				80					85					90	
Asn	Met	Ser	Ala	Ser	Asp	Leu	Asp	Val	Ala	Asp	Arg	Thr	Lys	Phe	

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	95		100		105
Asp Lys Ile Phe	Glu Gln Val Leu Ser	Glu Leu Glu Pro Leu	Cys		
	110		115		120
Leu Ala Glu Gln	Asp Phe Ile Ser Lys	Phe Phe Lys Leu Gln	Gln		
	125		130		135
His Gln Ser Met	Pro Gly Thr Met Ala	Glu Ala Glu Asp Leu	Asp		
	140		145		150
Gly Gly Thr Leu	Ser Arg Gln His Asn	Cys Gly Thr Pro Leu	Pro		
	155		160		165
Val Ser Ser Glu	Lys Asp Met Ile Arg	Gln Met Met Ile Lys	Ile		
	170		175		180
Phe Arg Cys Ile	Glu Pro Glu Leu Asn	Asn Leu Ile Ala Leu	Gly		
	185		190		195
Asp Lys Ile Asp	Ser Phe Asn Ser Leu	Tyr Met Leu Val Lys	Met		
	200		205		210
Ser His His Val	Trp Thr Ala Gln Asn	Val Asp Pro Ala Ser	Phe		
	215		220		225
Leu Ser Thr Thr	Leu Gly Asn Val Leu	Val Thr Val Lys Arg	Asn		
	230		235		240
Phe Asp Lys Cys	Ile Ser Asn Gln Ile	Arg Gln Met Glu Glu	Val		
	245		250		255
Lys Ile Ser Lys	Lys Ser Lys Val Gly	Ile Leu Pro Phe Val	Ala		
	260		265		270
Glu Phe Glu Glu	Phe Ala Gly Leu Ala	Glu Ser Ile Phe Lys	Asn		
	275		280		285
Ala Glu Arg Arg	Gly Asp Leu Asp Lys	Ala Tyr Thr Lys Leu	Ile		
	290		295		300
Arg Gly Val Phe	Val Asn Val Glu Lys	Val Ala Asn Glu Ser	Gln		
	305		310		315
Lys Thr Pro Arg	Asp Val Val Met Met	Glu Asn Phe His His	Ile		
	320		325		330
Phe Ala Thr Leu	Ser Arg Leu Lys Ile	Ser Cys Leu Glu Ala	Glu		
	335		340		345
Lys Lys Glu Ala	Ala Ile Asn His Lys	Phe Phe			
	350		355		

<210> 59

<211> 299

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2280456CD1

<400> 59

Met Glu Glu Leu Leu	Pro Asp Gly Gln Ile	Trp Ala Asn Met	Asp
1	5	10	15
Pro Glu Glu Arg Met	Leu Ala Ala Ala	Thr Ala Phe Thr His	Ile
	20	25	30
Cys Ala Gly Gln Gly	Glu Gly Asp Val	Arg Arg Glu Ala Gln	Ser
	35	40	45
Ile Gln Tyr Asp	Pro Tyr Ser Lys Ala	Ser Val Ala Pro Gly	Lys
	50	55	60

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Arg	Pro	Ala	Leu	Pro	Val	Gln	Leu	Gln	Tyr	Pro	His	Val	Glu	Ser	
				65					70					75	
Asn	Val	Pro	Ser	Glu	Thr	Val	Ser	Glu	Ala	Ser	Gln	Arg	Leu	Arg	
				80					85					90	
Lys	Pro	Val	Met	Lys	Arg	Lys	Val	Leu	Arg	Arg	Lys	Pro	Asp	Gly	
				95					100					105	
Glu	Val	Leu	Val	Thr	Asp	Glu	Ser	Ile	Ile	Ser	Glu	Ser	Glu	Ser	
				110					115					120	
Gly	Thr	Glu	Asn	Asp	Gln	Asp	Leu	Trp	Asp	Leu	Arg	Gln	Arg	Leu	
				125					130					135	
Met	Asn	Val	Gln	Phe	Gln	Glu	Asp	Lys	Glu	Ser	Ser	Phe	Asp	Val	
				140					145					150	
Ser	Gln	Lys	Phe	Asn	Leu	Pro	His	Glu	Tyr	Gln	Gly	Ile	Ser	Gln	
				155					160					165	
Asp	Gln	Leu	Ile	Cys	Ser	Leu	Gln	Arg	Glu	Gly	Met	Gly	Ser	Pro	
				170					175					180	
Ala	Tyr	Glu	Gln	Asp	Leu	Ile	Val	Ala	Ser	Arg	Pro	Lys	Ser	Phe	
				185					190					195	
Ile	Leu	Pro	Lys	Leu	Asp	Gln	Leu	Ser	Arg	Asn	Arg	Gly	Lys	Thr	
				200					205					210	
Asp	Arg	Val	Ala	Arg	Tyr	Phe	Glu	Tyr	Lys	Arg	Asp	Trp	Asp	Ser	
				215					220					225	
Ile	Arg	Leu	Pro	Gly	Glu	Asp	His	Arg	Lys	Glu	Leu	Arg	Trp	Gly	
				230					235					240	
Val	Arg	Glu	Gln	Met	Leu	Cys	Arg	Ala	Glu	Pro	Gln	Ser	Lys	Pro	
				245					250					255	
Gln	His	Ile	Tyr	Val	Pro	Asn	Asn	Tyr	Leu	Val	Pro	Thr	Glu	Lys	
				260					265					270	
Lys	Arg	Ser	Ala	Leu	Arg	Trp	Gly	Val	Arg	Cys	Asp	Leu	Ala	Asn	
				275					280					285	
Gly	Val	Ile	Pro	Arg	Lys	Leu	Pro	Phe	Pro	Leu	Ser	Pro	Ser		
				290					295						

<210> 60

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2284580CD1

<400> 60

Met	Ala	Thr	Phe	Ser	Gly	Pro	Ala	Gly	Pro	Ile	Leu	Ser	Leu	Asn	
1				5					10					15	
Pro	Gln	Glu	Asp	Val	Glu	Phe	Gln	Lys	Glu	Val	Ala	Gln	Val	Arg	
				20					25					30	
Lys	Arg	Ile	Thr	Gln	Arg	Lys	Lys	Gln	Glu	Gln	Leu	Thr	Pro	Gly	
				35					40					45	
Val	Val	Tyr	Val	Arg	His	Leu	Pro	Asn	Leu	Leu	Asp	Glu	Thr	Gln	
				50					55					60	
Ile	Phe	Ser	Tyr	Phe	Ser	Gln	Phe	Gly	Thr	Val	Thr	Arg	Phe	Arg	
				65					70					75	
Leu	Ser	Arg	Ser	Lys	Arg	Thr	Gly	Asn	Ser	Lys	Gly	Tyr	Ala	Phe	

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	80		85		90
Val Glu Phe Glu Ser Glu Asp Val Ala Lys Ile Val Ala Glu Thr					
	95		100		105
Met Asn Asn Tyr Leu Phe Gly Glu Arg Leu Leu Glu Cys His Phe					
	110		115		120
Met Pro Pro Glu Lys Val His Lys Glu Leu Phe Lys Asp Trp Asn					
	125		130		135
Ile Pro Phe Lys Gln Pro Ser Tyr Pro Ser Val Lys Arg Tyr Asn					
	140		145		150
Arg Asn Arg Thr Leu Thr Gln Lys Leu Arg Met Glu Glu Arg Phe					
	155		160		165
Lys Lys Lys Glu Arg Leu Leu Arg Lys Lys Leu Ala Lys Lys Gly					
	170		175		180
Ile Asp Tyr Asp Phe Pro Ser Leu Ile Leu Gln Lys Thr Glu Ser					
	185		190		195
Ile Ser Lys Thr Asn Arg Gln Thr Ser Thr Lys Gly Gln Val Leu					
	200		205		210
Arg Lys Lys Lys Lys Lys Val Ser Gly Thr Leu Asp Thr Pro Glu					
	215		220		225
Lys Thr Val Asp Ser Gln Gly Pro Thr Pro Val Cys Thr Pro Thr					
	230		235		240
Phe Leu Glu Arg Arg Lys Ser Gln Val Ala Glu Leu Asn Asp Asp					
	245		250		255
Asp Lys Asp Asp Glu Ile Val Phe Lys Gln Pro Ile Ser Cys Val					
	260		265		270
Lys Glu Glu Ile Gln Glu Thr Gln Thr Pro Thr His Ser Arg Lys					
	275		280		285
Lys Arg Arg Arg Ser Ser Asn Gln					
	290				

<210> 61

<211> 777

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2779172CD1

<400> 61

Met Val Leu Cys His Ser Phe Leu Tyr Arg Ile Leu Thr Val Gln					
1	5		10		15
Gln His Gly Phe Phe Phe Gly His Asp Arg Arg Pro Ala Asp Gly					
	20		25		30
Glu Lys Gln Ala Ala Thr His Val Ser Leu Asp Gln Glu Tyr Asp					
	35		40		45
Ser Glu Ser Ser Gln Gln Trp Arg Glu Leu Glu Glu Gln Val Val					
	50		55		60
Ser Val Val Asn Lys Gly Val Ile Pro Ser Asn Phe His Pro Thr					
	65		70		75
Gln Tyr Cys Leu Asn Ser Tyr Ser Asp Asn Ser Arg Phe Pro Leu					
	80		85		90
Ala Val Val Glu Glu Pro Ile Thr Val Glu Val Ala Phe Arg Asn					
	95		100		105

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Pro	Leu	Lys	Val	Leu	Leu	Leu	Leu	Thr	Asp	Leu	Ser	Leu	Leu	Trp	
				110					115					120	
Lys	Phe	His	Pro	Lys	Asp	Phe	Ser	Gly	Lys	Asp	Asn	Glu	Glu	Val	
				125					130					135	
Lys	Gln	Leu	Val	Thr	Ser	Glu	Pro	Glu	Met	Ile	Gly	Ala	Glu	Val	
				140					145					150	
Ile	Ser	Glu	Phe	Leu	Ile	Asn	Gly	Glu	Glu	Ser	Lys	Val	Ala	Arg	
				155					160					165	
Leu	Lys	Leu	Phe	Pro	His	His	Ile	Gly	Glu	Leu	His	Ile	Leu	Gly	
				170					175					180	
Val	Val	Tyr	Asn	Leu	Gly	Thr	Ile	Gln	Gly	Ser	Met	Thr	Val	Asp	
				185					190					195	
Gly	Ile	Gly	Ala	Leu	Pro	Gly	Cys	His	Thr	Gly	Lys	Tyr	Ser	Leu	
				200					205					210	
Ser	Met	Ser	Val	Arg	Gly	Lys	Gln	Asp	Leu	Glu	Ile	Gln	Gly	Pro	
				215					220					225	
Arg	Leu	Asn	Asn	Thr	Lys	Glu	Glu	Lys	Thr	Ser	Val	Lys	Tyr	Gly	
				230					235					240	
Pro	Asp	Arg	Arg	Leu	Asp	Pro	Ile	Ile	Thr	Glu	Glu	Met	Pro	Leu	
				245					250					255	
Leu	Glu	Val	Phe	Phe	Ile	His	Phe	Pro	Thr	Gly	Leu	Leu	Cys	Gly	
				260					265					270	
Glu	Ile	Arg	Lys	Ala	Tyr	Val	Glu	Phe	Val	Asn	Val	Ser	Lys	Cys	
				275					280					285	
Pro	Leu	Thr	Gly	Leu	Lys	Val	Val	Ser	Lys	Arg	Pro	Glu	Phe	Phe	
				290					295					300	
Thr	Phe	Gly	Gly	Asn	Thr	Ala	Val	Leu	Thr	Pro	Leu	Ser	Pro	Ser	
				305					310					315	
Ala	Ser	Glu	Asn	Cys	Ser	Ala	Tyr	Lys	Thr	Val	Val	Thr	Asp	Ala	
				320					325					330	
Thr	Ser	Val	Cys	Thr	Ala	Leu	Ile	Ser	Ser	Ala	Ser	Ser	Val	Asp	
				335					340					345	
Phe	Gly	Ile	Gly	Thr	Gly	Ser	Gln	Pro	Glu	Val	Ile	Pro	Val	Pro	
				350					355					360	
Leu	Pro	Asp	Thr	Val	Leu	Leu	Pro	Gly	Ala	Ser	Val	Gln	Leu	Pro	
				365					370					375	
Met	Trp	Leu	Arg	Gly	Pro	Asp	Glu	Glu	Gly	Val	His	Glu	Ile	Asn	
				380					385					390	
Phe	Leu	Phe	Tyr	Tyr	Glu	Ser	Val	Lys	Lys	Gln	Pro	Lys	Ile	Arg	
				395					400					405	
His	Arg	Ile	Leu	Arg	His	Thr	Ala	Ile	Ile	Cys	Thr	Ser	Arg	Ser	
				410					415					420	
Leu	Asn	Val	Arg	Ala	Thr	Val	Cys	Arg	Ser	Asn	Ser	Leu	Glu	Asn	
				425					430					435	
Glu	Glu	Gly	Arg	Gly	Gly	Asn	Met	Leu	Val	Phe	Val	Asp	Val	Glu	
				440					445					450	
Asn	Thr	Asn	Thr	Ser	Glu	Ala	Gly	Val	Lys	Glu	Phe	His	Ile	Val	
				455					460					465	
Gln	Val	Ser	Ser	Ser	Ser	Lys	His	Trp	Lys	Leu	Gln	Lys	Ser	Val	
				470					475					480	
Asn	Leu	Ser	Glu	Asn	Lys	Asp	Thr	Lys	Leu	Ala	Ser	Arg	Glu	Lys	
				485					490					495	
Gly	Lys	Phe	Cys	Phe	Lys	Ala	Ile	Arg	Cys	Glu	Lys	Glu	Glu	Ala	
				500					505					510	

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				50					55				60	
Val	Val	Ser	Glu	Leu	Tyr	Val	Ser	Phe	Leu	Ser	Leu	Tyr	Leu	Gln
				65					70					75
Arg	Val	Arg	Asn	Glu	Ile	Tyr	Thr	Ser	Lys	Val	Ser	Leu	Ile	Asn
				80					85					90
Met	Ala	Phe	Cys	Phe	Ser	Met								
				95										

<210> 63
 <211> 308
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3340290CD1

<400> 63

Met	Ser	Val	Ser	Gly	Leu	Lys	Ala	Glu	Leu	Lys	Phe	Leu	Ala	Ser
1				5					10					15
Ile	Phe	Asp	Lys	Asn	His	Glu	Arg	Phe	Arg	Ile	Val	Ser	Trp	Lys
				20					25					30
Leu	Asp	Glu	Leu	His	Cys	Gln	Phe	Leu	Val	Pro	Gln	Gln	Gly	Ser
				35					40					45
Pro	His	Ser	Leu	Pro	Pro	Pro	Leu	Thr	Leu	His	Cys	Asn	Ile	Thr
				50					55					60
Glu	Ser	Tyr	Pro	Ser	Ser	Ser	Pro	Ile	Trp	Phe	Val	Asp	Ser	Glu
				65					70					75
Asp	Pro	Asn	Leu	Thr	Ser	Val	Leu	Glu	Arg	Leu	Glu	Asp	Thr	Lys
				80					85					90
Asn	Asn	Asn	Leu	Asn	Gly	Thr	Thr	Glu	Glu	Val	Thr	Ser	Glu	Glu
				95					100					105
Glu	Glu	Glu	Glu	Glu	Glu	Met	Ala	Glu	Asp	Ile	Glu	Asp	Leu	Asp
				110					115					120
His	Tyr	Glu	Met	Lys	Glu	Glu	Glu	Pro	Ile	Ser	Gly	Lys	Lys	Ser
				125					130					135
Glu	Asp	Glu	Gly	Ile	Glu	Lys	Glu	Asn	Leu	Ala	Ile	Leu	Glu	Lys
				140					145					150
Ile	Arg	Lys	Thr	Gln	Arg	Gln	Asp	His	Leu	Asn	Gly	Ala	Val	Ser
				155					160					165
Gly	Ser	Val	Gln	Ala	Ser	Asp	Arg	Leu	Met	Lys	Glu	Leu	Arg	Asp
				170					175					180
Ile	Tyr	Arg	Ser	Gln	Ser	Tyr	Lys	Thr	Gly	Ile	Tyr	Ser	Val	Glu
				185					190					195
Leu	Ile	Asn	Asp	Ser	Leu	Tyr	Asp	Trp	His	Val	Lys	Leu	Gln	Lys
				200					205					210
Val	Asp	Pro	Asp	Ser	Pro	Leu	His	Ser	Asp	Leu	Gln	Ile	Leu	Lys
				215					220					225
Glu	Lys	Glu	Gly	Ile	Glu	Tyr	Ile	Leu	Leu	Asn	Phe	Ser	Phe	Lys
				230					235					240
Asp	Asn	Phe	Pro	Phe	Asp	Pro	Pro	Phe	Val	Arg	Val	Val	Leu	Pro
				245					250					255
Val	Leu	Ser	Gly	Gly	Tyr	Val	Leu	Gly	Gly	Gly	Ala	Leu	Cys	Met
				260					265					270

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Glu	Leu	Leu	Thr	Lys	Gln	Asn	Gln	Tyr	Asn	Leu	Ala	Arg	Ala	Gln
				275					280					285
Gln	Ser	Tyr	Asn	Ser	Ile	Val	Gln	Ile	His	Glu	Lys	Asn	Gly	Trp
				290					295					300
Tyr	Thr	Pro	Pro	Lys	Glu	Asp	Gly							
				305										

<210> 64

<211> 290

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3376404CD1

<400> 64

Met	Arg	Arg	Pro	Ala	Ala	Val	Pro	Leu	Leu	Leu	Leu	Cys	Phe
1				5				10					15
Gly	Ser	Gln	Arg	Ala	Lys	Ala	Ala	Thr	Ala	Cys	Gly	Arg	Pro
				20				25					30
Met	Leu	Asn	Arg	Met	Val	Gly	Gly	Gln	Asp	Thr	Gln	Glu	Gly
				35				40					45
Trp	Pro	Trp	Gln	Val	Ser	Ile	Gln	Arg	Asn	Gly	Ser	His	Phe
				50				55					60
Gly	Gly	Ser	Leu	Ile	Ala	Glu	Gln	Trp	Val	Leu	Thr	Ala	Ala
				65				70					75
Cys	Phe	Arg	Asn	Thr	Ser	Glu	Thr	Ser	Leu	Tyr	Gln	Val	Leu
				80				85					90
Gly	Ala	Arg	Gln	Leu	Val	Gln	Pro	Gly	Pro	His	Ala	Met	Tyr
				95				100					105
Arg	Val	Arg	Gln	Val	Glu	Ser	Asn	Pro	Leu	Tyr	Gln	Gly	Thr
				110				115					120
Ser	Ser	Ala	Asp	Val	Ala	Leu	Val	Glu	Leu	Glu	Ala	Pro	Val
				125				130					135
Phe	Thr	Asn	Tyr	Ile	Leu	Pro	Val	Cys	Leu	Pro	Asp	Pro	Ser
				140				145					150
Ile	Phe	Glu	Thr	Gly	Met	Asn	Cys	Trp	Val	Thr	Gly	Trp	Gly
				155				160					165
Pro	Ser	Glu	Glu	Asp	Leu	Leu	Pro	Glu	Pro	Arg	Ile	Leu	Gln
				170				175					180
Leu	Ala	Val	Pro	Ile	Ile	Asp	Thr	Pro	Lys	Cys	Asn	Leu	Leu
				185				190					195
Ser	Lys	Asp	Thr	Glu	Phe	Gly	Tyr	Gln	Pro	Lys	Thr	Ile	Lys
				200				205					210
Asp	Met	Leu	Cys	Ala	Gly	Phe	Glu	Glu	Gly	Lys	Lys	Asp	Ala
				215				220					225
Lys	Gly	Asp	Ser	Gly	Gly	Pro	Leu	Val	Cys	Leu	Val	Gly	Gln
				230				235					240
Trp	Leu	Gln	Ala	Gly	Val	Ile	Ser	Trp	Gly	Glu	Gly	Cys	Ala
				245				250					255
Gln	Asn	Arg	Pro	Gly	Val	Tyr	Ile	Arg	Val	Thr	Ala	His	His
				260				265					270
Trp	Ile	His	Arg	Ile	Ile	Pro	Lys	Leu	Gln	Phe	Gln	Pro	Ala
													Arg

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Leu Gly Gly Gln Lys 275 280 285
290

<210> 65
<211> 198
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 4173111CD1

<400> 65
Met Glu Met Ser Gly Leu Ser Phe Ser Glu Met Glu Gly Cys Arg
1 5 10 15
Asn Leu Leu Gly Leu Leu Asp Asn Asp Glu Ile Met Ala Leu Cys
20 25 30
Asp Thr Val Thr Asn Arg Leu Val Gln Pro Gln Asp Arg Gln Asp
35 40 45
Ala Val His Ala Ile Leu Ala Tyr Ser Gln Ser Ala Glu Glu Leu
50 55 60
Leu Arg Arg Arg Lys Val His Arg Glu Val Ile Phe Lys Tyr Leu
65 70 75
Ala Thr Gln Gly Ile Val Ile Pro Pro Ala Thr Glu Lys His Asn
80 85 90
Leu Ile Gln His Ala Lys Asp Tyr Trp Gln Lys Gln Pro Gln Leu
95 100 105
Lys Leu Lys Glu Thr Pro Glu Pro Val Thr Lys Thr Glu Asp Ile
110 115 120
His Leu Phe Gln Gln Gln Val Lys Glu Asp Lys Lys Ala Glu Lys
125 130 135
Val Asp Phe Arg Arg Leu Gly Glu Glu Phe Cys His Trp Phe Phe
140 145 150
Gly Leu Leu Asn Ser Gln Asn Pro Phe Leu Gly Pro Pro Gln Asp
155 160 165
Glu Trp Gly Pro Gln His Phe Trp His Asp Val Lys Leu Arg Phe
170 175 180
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185 190 195
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<210> 66
<211> 789
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte ID No: 001106CB1

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<211> 1117

<212> DNA

<213> Homo sapiens

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<220>

<221> unsure

<222> 1022-1024, 1028, 1034, 1036, 1038-1039, 1041, 1049, 1052-1053, 1055, 1062, 1064, 1072, 1075, 1083, 1086-1087, 1093, 1100-1101

<223> a, t, c, g, or other

<400> 67

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<210> 68

<211> 1628

<212> DNA

<213> Homo sapiens

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<220>

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<223> Incyte ID No: 052927CB1

<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 68

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<210> 69

<211> 1706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 082843CB1

<400> 69

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<210> 70

<211> 1864

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 322349CB1

<400> 70

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<211> 2738

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 397663CB1

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<211> 3685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 673766CB1

<400> 72

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<210> 73

<211> 1801

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1504753CB1

<220>

<221> unsure

<222> 12, 15, 17, 1675, 1687, 1702, 1709, 1712, 1715, 1717, 1722,
1732-1733, 1737, 1747, 1752-1754, 1757, 1759, 1764, 1769, 1787

<223> a, t, c, g, or other

<400> 73

ccgaattcgg anagnncat acgccagtca gcaggagcag cagcataatc cagcatgttg 60

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g 1801

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<210> 74

<211> 1578

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1760185CB1

<400> 74

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<210> 75

<211> 1624

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1805061CB1

<400> 75

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aaaa 1624

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<210> 76

<211> 1675

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1850120CB1

<400> 76

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<210> 77

<211> 1319

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1852290CB1

<220>

<221> unsure

<222> 1106, 1112, 1137, 1164-1165, 1168, 1171, 1173, 1181, 1187, 1190-1191, 1194, 1201-1202, 1215, 1248-1249, 1258-1259, 1297-1298, 1309-1311

<223> a, t, c, g, or other

<400> 77

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<210> 78

<211> 1113

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1944530CB1

<220>

<221> unsure

<222> 1057

<223> a, t, c, g, or other

<400> 78

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<210> 79

<211> 1963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2019742CB1

<400> 79

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<210> 80

<211> 1089

<212> DNA

<213> Homo sapiens

PF-0509 USN

<220>

<221> misc_feature

<223> Incyte ID No: 2056042CB1

<400> 80

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<210> 81

<211> 1325

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2398682CB1

<220>

<221> unsure

<222> 1280, 1283-1285, 1288-1291, 1294-1295, 1298-1300, 1306, 1310, 1312-1314, 1317, 1319-1320, 1322

<223> a, t, c, g, or other

<400> 81

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ggtgtctgcg gggttccaga ctgctgagga actcctagag gtgaaaccct ccgagcttag 180
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agatttcctt tcagaacact caaagggtcg actagtata gtggatggta ttgcttttcc 780
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ttattgatgt tgtgaaatca atgtgtacaa gtggacttgt taccttaaag tataaataaa 1260
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<210> 82

<211> 1579

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2518753CB1

<220>

<221> unsure

<222> 1346-1347, 1351, 1356, 1362, 1368, 1374, 1381-1382, 1394-1395, 1399,
1416, 1424-1426, 1434-1435, 1440, 1446, 1449, 1454, 1460, 1466, 1468,
1477-1478, 1480-1481, 1485, 1488-1489, 1496-1501, 1504-1505, 1524, 1528,
1530, 1533, 1537-1539, 1545, 1562, 1571

<223> a, t, c, g, or other

<400> 82

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ttaagtaatt tttttctcta attcanntag ngaggngttt cncctagangt ggantaaatt 1380
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cnggggggtt ncccccttt 1579

<210> 83

<211> 2641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2709055CB1

<400> 83

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t                                                                                      2641
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<210> 84

<211> 3963

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2724537CB1

<220>

<221> unsure

<222> 2230-2314, 3640-3790, 3878, 3885-3886, 3889, 3899, 3906, 3908, 3952

<223> a, t, c, g, or other

<400> 84

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<210> 85

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 025818CB1

<400> 85

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<210> 86

<211> 2077

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 438283CB1

<400> 86

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2077

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<211> 2358

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 619699CB1

<400> 87

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<210> 88

PF-0509 USN

<211> 1978

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 693452CB1

<220>

<221> unsure

<222> 1429

<223> a, t, c, g, or other

<400> 88

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<210> 89

<211> 2084

<212> DNA

<213> Homo sapiens

<220>

PF-0509 USN

<221> misc_feature

<223> Incyte ID No: 839651CB1

<400> 89

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<210> 90

<211> 2024

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1253545CB1

<400> 90

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<210> 91

<211> 3518

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1425691CB1

<400> 91

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<210> 92

<211> 2741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1484257CB1

<400> 92

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<210> 93

<211> 1305

<212> DNA

<213> Homo sapiens

PF-0509 USN

<220>

<221> misc_feature

<223> Incyte ID No: 1732368CB1

<400> 93

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<210> 94

<211> 1145

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1870914CB1

<400> 94

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PF-0509 USN

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<210> 95

<211> 1470

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1910984CB1

<400> 95

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<211> 1399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1943040CB1

<400> 96

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ccaagaggcc gcaccccgag gatggggacg ggcagagcct cgagggcgct tctagctccg 180
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<210> 97

<211> 3247

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2076520CB1

<400> 97

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<210> 98

<211> 2348

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2291241CB1

<220>

<221> unsure

<222> 2340

<223> a, t, c, g, or other

<400> 98

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<210> 99

<211> 2508

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2329692CB1

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<221> unsure

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<223> a, t, c, g, or other

<400> 99

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<210> 100

<211> 2232

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2474110CB1

<400> 100

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<210> 101

<211> 1620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2495790CB1

<400> 101

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PF-0509 USN

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<210> 102

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2661254CB1

<400> 102

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<211> 3257

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2674047CB1

<220>

<221> unsure

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<223> a, t, c, g, or other

<400> 103

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<211> 1945

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 2762174CB1

<400> 104

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<210> 105

<211> 1829

<212> DNA

<213> Homo sapiens

PF-0509 USN

<220>

<221> misc_feature

<223> Incyte ID No: 2765991CB1

<400> 105

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<211> 1353

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2775157CB1

<400> 106

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<210> 107

<211> 1025

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2918375CB1

<400> 107

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<210> 108

<211> 3641

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3149729CB1

<400> 108

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<211> 699

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 3705895CB1

<400> 109

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<210> 110

<211> 2186

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 003256CB1

<220>

<221> unsure

<222> 1925, 2088, 2092, 2114-2117

<223> a, t, c, g, or other

<400> 110

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<210> 111

<211> 2133

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 156986CB1

<400> 111

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<210> 112

<211> 1649

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 319415CB1

<400> 112

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<210> 113

<211> 714

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 635581CB1

<220>

<221> unsure

<222> 531

<223> a, t, c, g, or other

<400> 113

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tggcacaatc aaagagtcaa aattatccag gaccctactt taaggaacct cagttatctt 660
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<210> 114

<211> 1165

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 921803CB1

<400> 114

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ccgccccctc gcaccggcat gaagctcatc gtgggcatcg gaggcagac caacggcggc 360
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gatgacttct tcaagcccca agaccaaata gcagttgggg aagacggctt caaacagtgg 480
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<210> 115

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1250492CB1

<400> 115

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<210> 116

<211> 1010

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1427838CB1

<400> 116

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<210> 117

<211> 2059

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1448258CB1

<400> 117

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acaagagaag	ctgcagcaat	gggacctact	aagtttacac	aaactaatat	agggataata	180
gaaaataaac	tcttggaagc	ccctgatgtt	ttatgcctca	ggcttagtac	tgaacaatgc	240
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agtataacag	agaaacacta	tgcacaggag	gatcccagga	tggtatttgt	agcagctgtt	360
gatcatagta	gttcaggaga	tatgtctttg	ttaccagct	cagatcctaa	gtttcaagga	420
cttgagagtgg	ttgagtcagc	agtaactgca	aacaacacag	aagaaagctt	attccgtatt	480
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gaaacattaa aaaaaaaaaa
2059

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<210> 118

<211> 2273

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1645941CB1

<400> 118

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<210> 119

<211> 1772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1646005CB1

<400> 119

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ttcgtaacac agcccagttc gaccagatag acggtgcctc gtgaccgaa aacaagcccc 1320

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```

cggcccccca ccatgtgtgt gagccttacc ttggactgca cgctgagggg gcggatggaa 1380
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agggcgaaag gaatgaggtg gagctcccc tccagaacca ggatgagctg ccggtgccgg 1500
cccacggggc cgctggagtg catcaggccc tatggagcaa gcacggagag gctgacatgg 1560
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accagacaga acaggttaag cctgttgggg gtttggggcg ccaatgggga atgggcccc 1680
gtggcaaac ctgcaggaac cgggaacaaa cttggcatgc tccgctcgtt gaacttggca 1740
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<210> 120

<211> 2260

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1686561CB1

<400> 120

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gagaaggtgg agggagacga gaagccgccg agagccgact accctccggg cccagtctgt 60
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atcagaacca tacccaagtc agttgctgaa accaatccca gaatattccc cggaagagga 180
atcagaacca cctgctccaa atataaggaa catggcaccc aacagcttgt ctgcaccac 240
aatgcttcac aattcctccg gagacttttc tcaagctcac tcaaccctga aacttgcaaa 300
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cactggccat gactcagaca aatcagacca aagtttacct aatgcctcag cagactcctt 600
gggcggtagc caggagatgg tgcaacggcc ccagcctcac aggaaccgag caggcctgga 660
tctgcccaacc atagacacgg gatatgattc ccagccccag gatgtcctgg gcacaggca 720
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ataatgtaag ggatgtggca gcaaattggaa atgactacaa acactctcct atcaatcact 2160
tcaggctact tttatgagtt agccagatgc ttgtgtatcc tcagacccaaa ctgattcatg 2220
tacaaataat aaaatgttta ctctttttgta aaaaaaaaaa 2260
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<210> 121

<211> 1602

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1821233CB1

<400> 121

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caacggggcc aacgggtcta aagcagttgc aagaacagca aggaaaagga agccctctcc 180
agaaccagaa ggtgaagtcg ggccccctaa gatcaacgga gaggcccagc cgtggctgtc 240
cacatccaca gaggggctca agatccccc atcctctaca tcctcttttg tgtctccgcc 300
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ccagtcccc atggcagccc tgatcttagt agcagacaat gcagggggca gtcatgcctc 420
aaaagatgcc aaccaggttc actccactac caggaggaat agcaacagtc cgccctctcc 480
gtcctctatg aaccaaaagaa ggctgggtcc cagagaggtg gggggccagg gagcaggcaa 540
cacaggagga ctggagccag tgcaccctgc cagcctcccg gactcctctc tggcaaccag 600
tgccccgctg tgctgcaccc tctgccacga gcggctggag gacaccatt ttgtgcagt 660
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gattgtgtgg tcttttgggg ttttttgttt tttttttttt aagacaaagt tgaccgctgt 1560
tcactgtcca cgtgatcagt tgtaagatta caatgctgca tc 1602
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<210> 122

<211> 1655

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1877278CB1

<400> 122

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tgactggacg caagtaactt ctaggctctg agacaagagg aagagaagat gaaggaagac 120
```

```

tgtctgccga gttctcacgt gcccacagtc gacagcaagt ccattcagaa gtcggagctc 180
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cgtgaggaag aagggactct gatcatcgag gggctcctca acattgcctg ggggctgagg 300
cggcccatcc ggctgcagat gcaggatgac cgggagcagg tgcacctccc ctccacctca 360
tggatgcca gacggcctag ctgccctcta aaggagccat cgcccagaa cgggaacatc 420
acagcccagg ggccaagcat tcagccagtg cacaaggctg agagttccac agacagctcg 480
gggcccctgg aggaggcaga ggaggcccc cagctgatgc ggaccaagag cgacgccagt 540
tgcatgagcc agaggaggcc caagtgcgc gcccccgtg agggccagcg catccggcga 600
caccggttct ctatcaacgg ccacttctac aatcataaga cctccgtgtt tactccagcc 660
tatggatccg tgaccaatgt gagggatcac agcaccatga caaccctgca ggtgctcacc 720
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atgctgctgg gaaaagcagg gcctgccagc aggtatgaga tctagcctgc tttcagccat 1560
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gctcagcccc aacacagagg tgagaccagg aataa 1655

```

<210> 123

<211> 2225

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1880692CB1

<220>

<221> unsure

<222> 10, 18, 20, 29, 37, 44, 56, 59, 64, 69, 74, 77, 79, 87, 93, 97, 110-112

<223> a, t, c, g, or other

<400> 123

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taanctacnc gatncangnc ggttcangaa acnccnaaa aattggatcn nnttgatcac 120
atgccaagct gatggagtgg ctaaagagta cagattatgg aaaatatgaa ggactaacia 180
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aaagtatgcc tggaactatg gctgaagcag aggacctgga tggaggaaca ttatcacggc 600
aacataattg tggcacacca ctgcctgttt catctgagaa agatatgac cgccaaatga 660

```

```

tgattaaaaat atttcgctgc attgagccag agctgaacaa cctaattgca ttagggagaca 720
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cacaaaatgt ggaccctgct tctttcctaa gtactacatt gggaaatggt ttggtgactg 840
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gacttgacaga atcaatcttc aaaaatgctg agcgtcgtgg agacctggat aaagcatata 1020
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cagcagcgtc agccctatcc ggacccgcat cctcctctcg gggccggtgc caaccctag 2160
agctgtcgcc ttgcgctctg ccaccacgga ctcagccacc accgccgct cgcgcgtgct 2220
cttcc 2225

```

<210> 124

<211> 1516

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2280456CB1

<400> 124

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acgcggtgca gagagcggac ttccgcgacg cgggtgtttt tttttacttg aatgtaaata 180
ccaatcaaga tacattgaaa taagaaggct ctacagtgtg ggggaagcaa tggagaact 240
tctacctgat ggacaaatat gggctaatat ggatccagaa gaacgaatgt tggcagctgc 300
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ccgaaaccgg ggcaagacag accgggtagc ccggtatttt gagtacaac gggactggga 900
ctcaatacgt ttacctggtg aagatcatag aaaggaatta cgctggggtg tccgagagca 960

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```
gatgctttgt cgagcagaac cccaatccaa acctcagcat atatatgtcc caaacaatta 1020
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acaactgtct tgagaagctc ttcgaaacat tttatggtaa ggacttcacc tatcattggt 1260
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caaattagta cgggcccttt gagtcctgta acttttttta cctatcaata tgagttgctg 1440
tgcttcagtg tgtgtttttt aagttgctgg gcattacact taccaattaa agaattttgg 1500
aaattcaaaa aaaaaa 1516
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<210> 125

<211> 1635

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2284580CB1

<400> 125

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gtcagagttt aaaaggaggt ggcgcaggtt cgcaagcgca taaccagcg aaaaaaaca 180
gaacaactta ctcttgaggt agtctatgtg cgccacctac ctaacctact tgacgaaacc 240
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cggatggagg agcgatttaa aaagaaagaa agattactca ggaagaaatt agctaaaaaa 600
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ggttgaagct ggaagtttaa ttatatgtag agtgagaagg cagttccagt tttagcacag 1440
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gttaaatag ttttggttgt gctagcatga attaataacc accattttat accagtatca 1560
tcagtgaaga attgtatttc aagattcaaa caataaccag caattaaact tttttctaca 1620
atgtaaaaaa aaaaa 1635
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<210> 126

<211> 2673

<212> DNA

<213> Homo sapiens

PF-0509 USN

<220>

<221> misc_feature

<223> Incyte ID No: 2779172CB1

<400> 126

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ttttggccat gacagacgac cagcggatgg tgaaaaacaa gcagctactc atgtaagtct 180
tgatcaagaa tatgattctg aatcctctca gcagtggcga gaacttgagg aacaagttgt 240
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cagttactca gataattcaa gatttccact tgcagttgta gaagaaccaa ttacagtgga 360
agtggctttt agaaaccctt tgaaagttct acttttggtg actgatttgt cattgctttg 420
gaagtttcat cctaaagatt tcagtggaaa ggataatgaa gaagttaaac aactagttac 480
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<211> 2206

<212> DNA

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3279329CB1

<400> 127

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<210> 128

<211> 1426

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 3340290CB1

<220>

<221> unsure

<222> 65, 69, 72, 87, 1365

<223> a, t, c, g, or other

<400> 128

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<210> 129

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3376404CB1

<400> 129

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<211> 1118

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 4173111CB1

<400> 130

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